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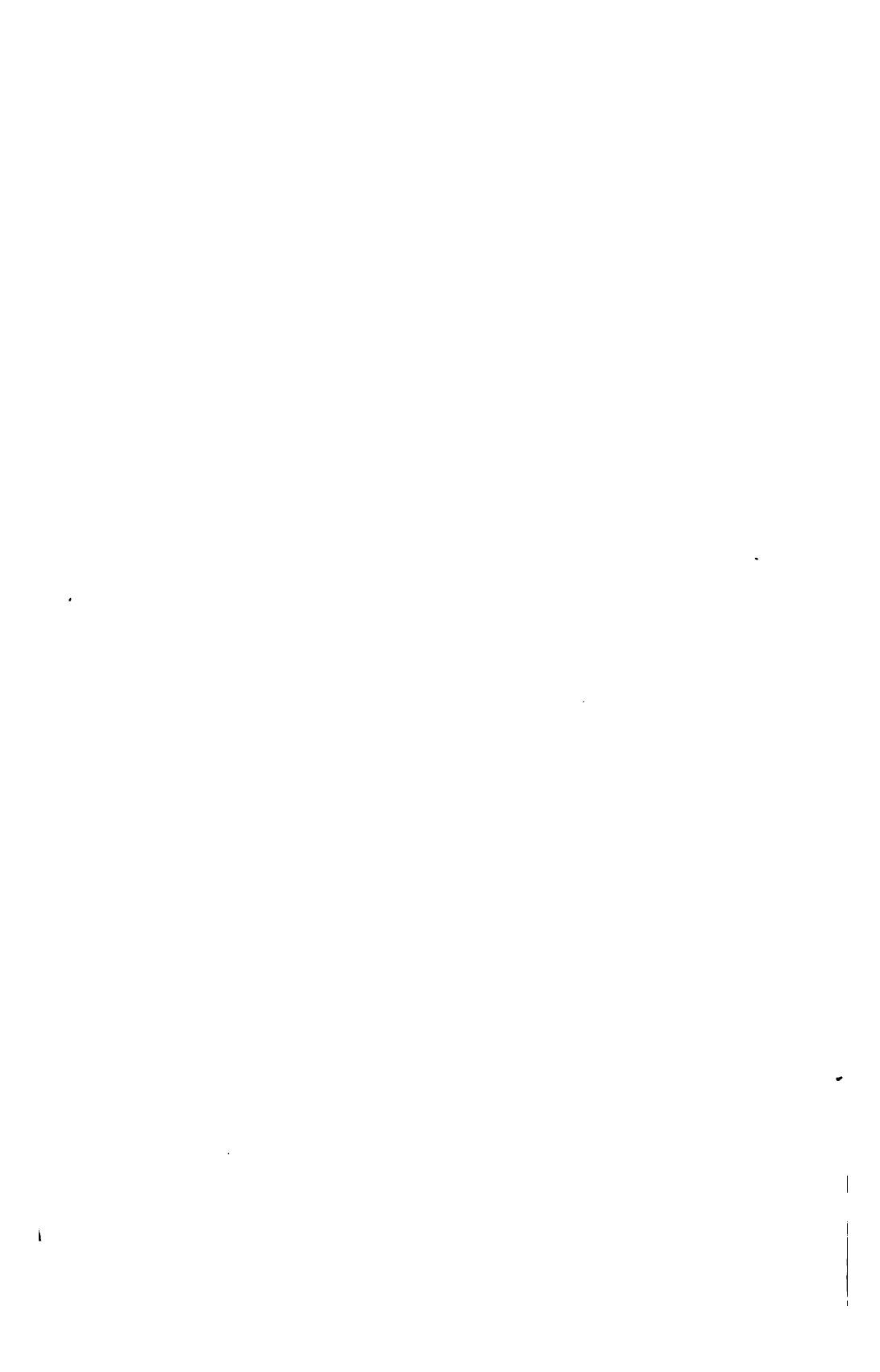
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THIRD BIENNIAL REPORT

State Museum Natural History,
SPRINGFIELD, ILLINOIS.

BUREAU OF LABOR STATISTICS

OF

ILLINOIS.

1884.

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832704



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STATE OF ILLINOIS.
OFFICE OF THE BUREAU OF LABOR STATISTICS.
SPRINGFIELD, ILL., Nov. 1, 1884.

HONORABLE JOHN M. HAMILTON, *Governor of Illinois*:

SIR: In compliance with the act of the Thirty-first General Assembly creating this Bureau, the Commissioners herewith submit to you for transmission to the Thirty-fourth General Assembly their Third Biennial Report.

Very respectfully,

CHARLES H. DEERE, President.
JOSEPH C. SNOW,
THOMAS LLOYD,
GEORGE T. BROWN,
A. W. KINGSLAND, Commissioners.

JOHN S. LORD, Secretary.

1901-1902
1903-1904

**State Museum Natural History,
SPRINGFIELD, ILLINOIS,**

INDEX TO SUBJECTS.

INTRODUCTION.

Character and scope of the Report.

TIME AND WAGES IN MANUFACTURES IN ILLINOIS.

Average number of employes; average days wages for a skilled mechanic and ordinary laborer, May to November.—November to May, and yearly average; months employed in each of 1,666 establishments; time employed, in months, on full time, three-quarters time, two-thirds time, half time and idle in the following industries:

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INTRODUCTION.

This volume constitutes the Third Biennial Report of the Bureau of Labor Statistics of Illinois, and its contents are presented in Three Parts, each of which is devoted to some special line of statistical enquiry on the general topic of industrial affairs in Illinois, and the relations which the different classes engaged in them sustain to each other and to the State.

Part I consists of an investigation designed to ascertain what proportion of the results of manual labor in manufactures accrues to the proprietor for his hazzard, his sagacity, and the use of his capital, and what proportion falls to the lot of the workman for his skill and industry.

It is recognized that this is an undertaking the most complex and difficult, and the calculations made in this study of the subject are submitted rather as an index of the facts, than as a conclusive demonstration.

In pursuing this enquiry, two series of tables have been compiled from a wide range of data,—the one relating to Wages and the Hours of Labor of workingmen in certain industries, assumed to be representative of all the industries of the State, and the other series devoted to a computation of the probable Profits and Losses resulting from the pursuit of those industries to those who have projected and conducted them.

In the latter we also attempt to show what percentage of the value of the product of the several manufacturing establishments of the State was consumed in the purchase of materials, what proportion in the payment of wages, and of interest and expenses, and what remains, if anything, to the manufacturer after deducting these. As a complement to this showing, we compute the value of the product of each employé, his average earnings in producing the same, and the profit or loss realized by the employer upon that product.

Both series of tables are deduced from the schedules of the United States Census Bureau, and in order to prepare them, copies of the schedules relating to Illinois were taken by this Bureau from the files in the census office in Washington by consent of the Superintendent.

However, the results of our tabulations may be regarded, the promises upon which they are based can hardly be challenged, as the schedules referred to constitute the only compendium of exact statistical information as to all the manufactures of the State, which has ever been compiled. We are thus afforded the broadest possible basis upon which to construct tables of real significance and value.

As a supplement to this exhibit for Illinois, we also introduce tables presenting some Industrial Comparisons between Illinois and Massachusetts, affording an interesting view of relative conditions in the two States.

Part II presents the results of special investigations made by this Bureau into the economical and social condition of the industrial classes in Illinois.

In order to discover and show this condition, we have procured, classified and tabulated the actual experiences of two thousand one hundred and twenty-nine families of workingmen, engaged in one hundred and sixty-three kinds of employment, and living in fifty-three of the cities and towns of the State. Our investigations have embraced not only the facts in regard to their financial status, but also a consideration of the manner of living and home surroundings which characterize the different classes in different places.

The results are presented in classified and tabular exhibits designed to bring out the salient features of the situation as it really exists, and in form suitable for reference or comparison.

This Part is subdivided into six chapters. The first is devoted to an examination of the character of the returns upon which the deductions are made, in order to arrive at the measure of their value as truly representative of the wage classes of the State at large; also to such classification and arrangement of them as best to present the race characteristics, and the influences of occupations and location upon the general welfare of the classes considered.

The second chapter is made up of the detailed financial statements of each of the 2,129 families, arranged by occupations, but showing also the place of residence and nationality of each, and the degree of success which has rewarded their efforts to support

themselves by their wages. These specific details are subsequently summarized in more concise tables presenting the general results obtained in regard to conditions in different places, trades and races. The tables throughout are accompanied by such textual comments as are deemed necessary, and final summaries are made of the conclusions to which they point.

In the third chapter will be found an analysis of the sources of the family income, for the purpose of ascertaining what proportion of it is derived solely from the labor of the head of the family, and what from the labor of wives and children. It is thus shown how far the labor of the average workingman in this State must be supplemented by that of his family in order that they all may live. This also involves a consideration of the status of children and of the proportion of them who are compelled to work at an age when they should be at school or at play; as well as the amount of their contribution to the family fund.

The succeeding chapter consists of an analysis of the average expenditures of families dependent upon the wages of manual labor, showing the proportion of earnings absorbed by food, shelter and clothing; the facts in regard to house ownership and rents; the elements of miscellaneous expenditure, including that for maintaining protective organizations, life insurance, etc.

This is supplemented by retail price-lists of such commodities as enter into the maintenance of workingmen's families; also by a consideration of the average hours of daily labor, and the average working time and idleness in different occupations.

The concluding chapter is devoted to individual statements of earnings, expenses and condition, accompanied by observations made and reported by the agents of the Bureau.

This completes the presentation of facts and conclusions developed by this enquiry as to real and relative conditions among those who work for wages in this State.

Part III.—In the third and final division of the report will be found comprehensive statistics of two special industries,—Coal Mining, and the Manufacture of Drain Tile, in Illinois. The material aspect of these important industries is presented in statistical detail, and in the same connection there is some delineation of the social and economic phases of life which obtain among the army of workers engaged in them.

Finally we present a report on the model industrial community at Pullman, in this State.

This is an expression of the conclusions reached by a number of representatives from the various State Bureaus of Labor Statistics, after an investigation extending through several days. These gentlemen assembled at Pullman for the purpose of making a careful study of the economic experiment there in progress, in behalf of the employes of that extensive manufacturing establishment. We take pleasure in calling attention to the results of their observations, and in commending to manufacturers and employers everywhere this striking illustration of beneficent enterprise in the interest of working people.

Univ. of
California

PART I.

Work, Wages and Profits

IN THE

MANUFACTURING INDUSTRIES OF ILLINOIS.

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CHAPTER I.

TIME AND WAGES.

Among the problems which in modern society especially involve the prosperity and perpetuity of communities, there is none commanding more general and careful consideration at the present time than that of the wise adjustment of the rewards of labor between the mechanic, on the one hand, with his industry and implements, and the capitalist on the other with his resources and his directing mind. Yet this issue is not new nor local in its development, for wherever civilized man is found, and the diversity of human condition consequent upon civilization is developed, there more or less conflict between these two important elements of society will be found to exist. But while this fact and its significance are equally recognized, the difficulties which are everywhere encountered in the effort to reconcile the interests of these classes are so subtle, that even men of the greatest abilities propose and urge the most diverse measures to overcome them.

The mal-adjustment of the profits of labor between those who produce, and those who have the product, is apparently the resultant of a thousand factors, and if we review the long procession of skillful theorists who have sought the remedy we shall find that each in his turn has ascribed the preponderating influence to a different factor.

The following pages do not embrace the discussion of any theories, nor invade the province of the theorists. They present simply certain facts exhibited in a statistical form, that have reference to the wages of the workingman and the profits of the employer. It has always been more or less common for the former to declare that he is poorly paid, and for the latter to protest that he is doing business at a loss. These tables are an attempt to show for the leading industries of the State of Illinois, how much of truth there is in these assertions.

A similar exhibit for the industries of Massachusetts was made by Hon. Carroll D. Wright, in his report for 1883 as Chief of the Bureau of Statistics of Labor. As far as is known the work of Mr. Wright was the first statistical exposition ever made of the comparative increment of reward resulting to employer and employed, having as its basis many thousand of individual cases distributed throughout a community intense with industrial activity. Writers have so usually confined themselves to denunciation and invective on one side, to depreciation and excuse on the other, or to generalizations based upon doubtful data, isolated facts and partial knowledge, that the scientific method pursued by him is likely to stimulate all thoughtful minds to the collection and careful study of facts as the preliminary absolutely necessary to any correct thinking on this question. The tables following are prepared similarly to those of Mr. Wright, and taken in connection with them will furnish opportunity for a comparative study of industrial successes and failures that cannot fail to be interesting and instructive. It is to be hoped that other States through their statistical bureaus may be led to take up this work, to the end that a complete body of like facts may be obtained for the whole country. We shall then have the material at hand for a scientific investigation of the relations existing between the workingman and the capitalist, and may be able to arrive at the laws governing them. We are scarcely likely to discover these by the empirical methods hitherto so much in vogue. The same method must be pursued in a social investigation of this sort as in physical research. The specialist must be called in first for the patient and laborious accumulation of facts, then when these have become a comprehensive mass, the discovering mind of genius will take them and write out for us the laws which underlie and regulate industrial prosperity.

The data upon which the following tables are founded are drawn from the United States Census Schedules for Illinois for 1880, transcripts of which were taken by this Bureau at the census office by permission of Hon. C. W. Seaton, Superintendent of Census, for the special purpose of reaching the figures necessary to compute and compile the percentages shown. The undertaking involved a vast number of careful and laborious calculations, all of which were made in duplicate to insure verification, and the result is believed to possess a high degree of accuracy.

These schedules exhibit the following facts relating to the census year, for each individual establishment having an annual product valued at \$500 or more: the character of the business carried on; the capital invested; the average number of hands employed, as, males above 16 years old, females above 15, children and youth; the number of hours in the ordinary day of labor from May to November, and from November to May; the average day's wages for a skilled mechanic, also for an ordinary laborer; the total amount paid in wages; the number of months running on full time, on three-fourths time, on two-thirds time, on half time, and idle; the value of the materials used; and the value of the product. Other facts are shown not necessary to our purpose, and therefore not enumerated here.

An examination of the census returns shows that Illinois is credited with 14,549 manufacturing establishments. This number does not include breweries, distilleries, petroleum works, print works and salt works. These industries were in the hands of special agents, and were not reported to the census office by individual establishments. Throughout this chapter the above number, 14,549, is referred to as the entire number of the State's industrial establishments. If we study the returns from these, we shall find that a very small proportion of the whole, numerically, did a very large proportion of the whole production. For the better illustration of this, attention is directed to the two tables following: Manufacturing Establishments by Industries, and Capital, Wages, etc., for 1,666 Establishments paying \$5,000 or more each in Annual Wages. In these tables we find that for the 14,549 establishments there was capital invested to the amount of \$140,552,066; hands employed to the number of 144,727; wages paid to the amount of \$57,429,085; materials used to the value of \$289,848,507; and a product achieved valued at \$414,864,673.

Among these 14,549 establishments are 1,666, or 11+ per cent. of the whole number, which have capital invested amounting to \$93,881,754, hands employed numbering 95,912, a wage-roll reaching \$41,201,529, which paid for materials \$219,511,348, and have a product valued at \$303,882,634. In other words, 11+ per cent. of all the manufacturing establishments employ 66+ per cent. of the capital, furnish work to 66+ per cent. of the employees, pay out 71+ per cent. of the wages, use 75+ per cent. of the materials, and turn out 73+ per cent. of the product of the whole State. An

exhibit, therefore, of the condition as to wages, etc., of the employes in these 1,666 establishments, and of the profits of the employers, is practically an exhibit in these respects of nearly three-fourths of the manufacturing interests of the State. The tables hereinafter presented are accordingly made up from the reports of these 1,666 establishments, each one of which paid \$5,000 or more in wages during the census year. The entire number in the State which paid this stated sum in wages is 1,848. Of this number, 182 are excluded from the presentation. Some of them are so omitted because the given industry is represented by but a single establishment in the State, and the publication in such case might lead to identification, which has been carefully avoided for obvious reasons. Others, such as painting, are excluded because they do not have all the elements necessary in a presentation of manufactures.

MANUFACTURING ESTABLISHMENTS BY INDUSTRIES.

| Industries. | NUMBER OF ESTABLISHMENTS. | | NUMBER OF EMPLOYES. | |
|---|---------------------------|-------------------------------|---------------------|---|
| | In the State | Used in this population | In the State | In the establishments used in this presentation |
| Agricultural implements | 220 | 74 | 7,300 | 6,803 |
| Boots and shoes | 1,117 | 30 | 3,443 | 2,064 |
| Boxes | 52 | 32 | 2,018 | 2,007 |
| Brick | 618 | 51 | 5,903 | 1,874 |
| Brooms and brushes | 88 | 8 | 593 | 308 |
| Buildings | 844 | 107 | 6,274 | 3,704 |
| Carrriages and wagons | 1,009 | 83 | 4,730 | 2,497 |
| Chemical preparations | 52 | 11 | 1,463 | 784 |
| Cigars | 582 | 39 | 2,829 | 1,252 |
| Clocks and watches | 82 | 5 | 1,707 | 1,559 |
| Clothing | 451 | 120 | 14,950 | 12,569 |
| Cooking and heating apparatus | a 80 | 20 | a 2,000 | 1,119 |
| Cured and packed meats | 143 | 54 | 10,948 | 10,212 |
| Drugs and medicines | 50 | 9 | 518 | 191 |
| Flour and meal | 1,024 | 97 | 4,900 | 1,838 |
| Food preparations | 674 | 56 | 4,527 | 2,647 |
| Furniture | 497 | 118 | 7,110 | 5,951 |
| Leather | 775 | 39 | 3,430 | 1,839 |
| Lumber | 705 | 46 | 5,079 | 1,769 |
| Machines and machinery | 319 | 87 | 6,220 | 3,756 |
| Malt | 22 | 9 | 258 | 199 |
| Metals and metallic goods | 2,719 | 107 | 16,065 | 14,949 |
| Musical instruments and materials | 23 | 10 | 375 | 329 |
| Paints and oils | 33 | 16 | 653 | 389 |
| Paper | 24 | 22 | 777 | 750 |
| Photographs and other likenesses | 92 | 9 | 258 | 99 |
| Printing and publishing | 317 | 123 | 5,652 | 4,660 |
| Railroad and other cars and materials | b 7 | 14 | b 1,086 | 1,578 |
| Soaps | 35 | 10 | 582 | 456 |
| Stone | 188 | 31 | 1,577 | 1,034 |

Manufacturing Establishments by Industries—Continued.

| Industries. | NUMBER OF ESTABLISHMENTS. | | NUMBER OF EMPLOYEES. | |
|---------------------------|---------------------------|----------------------------------|----------------------|--|
| | In the State | Used in this pre-separation..... | In the State | In the establishments used in this presentation..... |
| Tobacco | 10 | 7 | 1,048 | 1,041 |
| Vessels, sails, etc. | 28 | 11 | 465 | 401 |
| Wooden goods | 592 | 105 | 6,873 | 4,374 |
| Woolen goods | 53 | 16 | 1,042 | 811 |
| Totals | c 13,563 | 1,666 | 132,782 | 95,912 |

- a. Partially estimated, this industry sometimes being inseparably combined with others.
 b. Additional establishments with their employees are inseparably combined with other industries.
 c. In the United States census volume of manufactures, the industries classified in this column under 34 titles are found under many. In reducing them to the limits of this classification, it was sometimes rather difficult to determine to which title to assign certain establishments. Hence, the segregation of the 13,563 industries can not be considered absolutely exact, though nearly so. Such an exact segregation did not appear to be of sufficient importance to warrant the labor of reclassifying from the transcripts of schedules. These remarks, of course, do not apply to the 1,666 establishments in the second column where exactness of classification is aimed at.

CAPITAL, WAGES, ETC., FOR 1,666 MANUFACTURING ESTABLISHMENTS PAYING \$5,000 OR MORE EACH, IN ANNUAL WAGES.

| Industries. | Capital. | Wages. | Stock. | Product. |
|---|--------------|--------------|---------------|---------------|
| Agricultural implements. | \$10,737,200 | \$3,060,618 | \$6,461,957 | \$12,878,973 |
| Boots and shoes | 1,722,500 | 771,737 | 1,756,179 | 3,118,973 |
| Boxes | 910,526 | 762,442 | 2,739,307 | 4,030,781 |
| Brick | 917,498 | 620,123 | 317,601 | 1,288,835 |
| Brooms and brushes | 222,000 | 102,406 | 229,922 | 397,000 |
| Buildings | 1,026,150 | 1,799,715 | 3,493,869 | 5,935,850 |
| Carriages and wagons | 2,700,030 | 1,143,099 | 1,824,660 | 3,938,931 |
| Chemical preparations | 995,750 | 285,370 | 2,193,748 | 3,054,266 |
| Cigars | 432,066 | 509,048 | 815,657 | 1,725,233 |
| Clocks and watches | 2,018,827 | 808,974 | 239,857 | 1,388,621 |
| Clothing | 7,919,375 | 4,578,139 | 15,061,519 | 22,751,007 |
| Cooking and heating apparatus | 1,490,400 | 592,532 | 991,113 | 2,223,880 |
| Cured and packed meats | 10,691,350 | 3,939,411 | 81,385,172 | 94,077,269 |
| Drugs and medicines | 231,000 | 82,754 | 376,000 | 688,000 |
| Flour and meal | 5,551,892 | 975,151 | 20,741,856 | 23,619,098 |
| Food preparations | 2,961,550 | 1,025,500 | 11,762,129 | 14,271,027 |
| Furniture | 3,577,600 | 2,052,286 | 3,867,677 | 8,316,355 |
| Leather | 2,921,128 | 868,615 | 6,172,412 | 8,039,394 |
| Lumber | 2,335,970 | 560,343 | 3,642,052 | 4,984,140 |
| Machines and machinery | 4,543,000 | 1,927,512 | 3,795,610 | 7,630,506 |
| Malt | 815,000 | 93,849 | 1,416,429 | 1,724,300 |
| Metals and metallic goods | 14,415,501 | 6,804,591 | 27,199,052 | 40,833,333 |
| Musical instruments and materials | 242,000 | 198,527 | 308,028 | 631,250 |
| Paints and oils | 1,129,000 | 207,905 | 3,659,145 | 4,740,900 |
| Paper | 1,228,000 | 288,424 | 880,488 | 1,664,098 |
| Photographs and other likenesses | 152,500 | 62,544 | 62,000 | 216,000 |
| Printing and publishing | 3,774,300 | 2,508,523 | 2,915,297 | 7,370,846 |
| Railroad and other cars and materials | 1,133,500 | 729,698 | 3,440,415 | 4,515,002 |
| Soaps | 1,125,000 | 177,902 | 2,786,100 | 3,226,500 |
| Stone | 509,000 | 481,152 | 634,473 | 1,355,689 |
| Tobacco | 1,127,000 | 353,200 | 2,646,981 | 4,183,075 |
| Vessels, sails, etc. | 428,000 | 210,835 | 426,800 | 777,333 |
| Wooden goods | 2,301,388 | 1,754,291 | 3,868,169 | 6,609,667 |
| Woolen goods | 1,104,753 | 264,163 | 1,099,665 | 1,586,502 |
| Totals (1,666 establishments) | \$93,381,754 | \$41,201,529 | \$219,511,348 | \$303,882,634 |
| Totals (the State, 14,549 establishments) | 140,652,066 | 57,429,085 | 289,843,907 | 414,864,673 |
| Per cent. of 1,666 establishments of 14,549. | 66+ | 71+ | 75+ | 73+ |

By reference to the first table—Manufacturing Establishments by Industries—it will be seen that the 1,666 establishments embrace 34 industries. The industry having the least number of establishments is clocks and watches, with 5; and the one with the greatest number, metals and metallic goods, with 197. As before noted, these establishments employ in all 95,912 persons, including men, women, children and youth. There are in the State 13,563 establishments belonging to these 34 industries, employing 132,782 persons. We find, then, in Illinois, out of 14,549 manufacturing establishments, with industrial employes aggregating 144,727, that 13,563 establishments, with employes numbering 132,782, belong to these 34 industries. We also find that 12+ per cent. (1,666) of these 13,563 establishments employ 72+ per cent. (95,912) of the entire number of persons (132,782) following these industries in the State. The point to be considered now is whether the conditions obtaining in 34 industries, which include 93+ per cent. of all the manufacturing establishments in the State, and 91+ per cent. of all employes, may not be held as true of the State's entire industries; and yet, further, whether the conclusion that 1,666 of these establishments, or 12+ per cent., with 95,912 employes or 72+ per cent. of the whole number, may not be safely assumed to represent truly the entire manufacturing interests of the State. Without entering into this speculation, or considering what might be said for or against the assumption, but believing that every one must concede the selected number to be at least largely *indicative*, we present the first table deduced from the official reports of 1,666 manufacturers, covering the general subject of Time and Wages of Employes. This exhibits the average number of employes, the average day's wages for skilled mechanics and for ordinary laborers, the daily hours of labor, and the months of employment and idleness.

A marginal number is used to indicate each establishment, and as the same order is observed, and the same numbers used in a subsequent table devoted to the subject of Profits and Earnings, a complete statistical unity may be secured for any one or all establishments, by uniting the presentations of the two tables.

TIME AND WAGES.

AGRICULTURAL IMPLEMENTS.

| Average num. of em. employed in each estab- lishment. | AVERAGE DAY'S WAGES FOR | | HOURS OF LABOR. | | | No. of months employed in each estab- lishment. | TIME E M |
|---|----------------------------|-----------------------|-------------------|--------------------|-------------------------|--|-------------|
| | Skilled Mechanics | Ordinary Laborers. | May to Nov. | Nov. to May. | Yearly Aver- age. | | |
| 15 | \$2 00 | \$1 50 | 10 | 8 | 9 | 12 | 12 |
| 70 | 2 00 | 1 20 | 10 | 10 | 10 | 7 | 7 |
| 30 | 2 00 | 1 25 | 10 | 10 | 10 | 12 | 12 |
| 60 | 2 50 | 1 20 | 10 | 8 | 9 | 9 | 6 |
| 640 | 2 15 | 1 40 | 10 | 10 | 10 | 12 | 12 |
| 410 | 1 75 | 1 25 | 10 | 10 | 10 | 12 | 11 |
| 120 | 1 75 | 1 25 | 10 | 10 | 10 | 11 | 11 |
| 140 | 2 00 | 1 50 | 10 | 10 | 10 | 8 | 8 |
| 147 | 2 25 | 1 30 | 10 | 10 | 10 | 12 | 12 |
| 41 | 2 00 | 1 25 | 10 | 10 | 10 | 12 | 12 |
| 160 | 2 25 | 1 15 | 10 | 10 | 10 | 12 | 12 |
| 16 | 2 00 | 1 25 | 10 | 10 | 10 | 10 | 10 |
| 40 | 2 00 | 1 06 | 10 | 10 | 10 | 12 | 12 |
| 23 | 2 25 | 1 25 | 10 | 9 | 9½ | 12 | 8 |
| 13 | 2 25 | 1 50 | 10 | 9 | 9½ | 12 | 8 |
| 23 | 2 50 | 1 75 | 10 | 10 | 10 | 12 | 12 |
| 20 | 2 25 | 1 25 | 10 | 10 | 10 | 10 | 10 |
| 440 | 2 25 | 1 35 | 10 | 10 | 10 | 12 | 12 |
| 165 | 2 25 | 1 25 | 10 | 9 | 9½ | 10 | 6 |
| 20 | 2 50 | 1 25 | 10 | 9 | 9½ | 6 | 6 |
| 25 | 2 25 | 1 50 | 10 | 10 | 10 | 12 | 12 |
| 35 | 2 00 | 1 25 | 10 | 10 | 10 | 11 | 11 |
| 60 | 2 25 | 1 25 | 10 | 10 | 10 | 11 | 11 |
| 90 | 2 00 | 1 25 | 10 | 10 | 10 | 12 | 12 |
| 102 | 2 00 | 1 25 | 10 | 10 | 10 | 9 | 9 |
| 15 | 2 25 | 1 25 | 9 | 8 | 8½ | 6 | 6 |
| 40 | 2 00 | 1 50 | 10 | 10 | 10 | 12 | 12 |
| 95 | 2 25 | 1 50 | 10 | 10 | 10 | 12 | 12 |
| 58 | 2 50 | 1 25 | 10 | 10 | 10 | 10 | 10 |
| 38 | 2 50 | 2 00 | 10 | 10 | 10 | 12 | 12 |
| 35 | 2 50 | 1 50 | 10 | 10 | 10 | 12 | 6 |
| 21 | 2 00 | 1 25 | 10 | 8 | 9 | 12 | 7 |
| 76 | 2 37 | 1 37 | 10 | 10 | 10 | 11 | 11 |
| 30 | 2 50 | 1 50 | 10 | 9 | 9½ | 9 | 6 |
| 69 | 2 50 | 1 25 | 10 | 10 | 10 | 11 | 11 |
| 13 | 2 00 | 1 25 | 10 | 10 | 10 | 11 | 7 |
| 13 | 2 50 | 1 25 | 10 | 8 | 9 | 12 | 8 |
| 100 | 2 25 | 1 50 | 10 | 9 | 9½ | 10 | 8 |
| 40 | 2 25 | 1 50 | 10 | 10 | 10 | 8 | 8 |
| 50 | 2 25 | 1 50 | 10 | 10 | 10 | 9 | 9 |
| 40 | 2 50 | 1 25 | 10 | 10 | 10 | 12 | 8 |
| 10 | 2 00 | 1 50 | 10 | 10 | 10 | 12 | 12 |
| 45 | 2 75 | 1 35 | 10 | 10 | 10 | 11 | 9 |
| 42 | 2 75 | 1 25 | 10 | 10 | 10 | 8 | 8 |
| 43 | 2 50 | 1 25 | 10 | 10 | 10 | 12 | 12 |
| 90 | 2 25 | 1 50 | 10 | 9 | 9½ | 12 | 9 |
| 100 | 2 25 | 1 25 | 10 | 9 | 9½ | 12 | 12 |
| 140 | 2 00 | 1 00 | 10 | 10 | 10 | 7 | 5 |
| 150 | 2 50 | 1 25 | 10 | 9 | 9½ | 12 | 5 |
| 40 | 2 75 | 1 12 | 10 | 9 | 9½ | 12 | 6 |
| 31 | 2 75 | 1 12 | 10 | 9 | 9½ | 12 | 6 |
| 30 | 2 50 | 1 25 | 10 | 10 | 10 | 12 | 12 |
| 18 | 2 1 | 1 20 | 10 | 12 | 11 | 10 | 10 |
| 25 | 2 62 | 1 25 | 10 | 12 | 11 | 12 | 12 |
| 17 | 2 2 | 1 25 | 10 | 9 | 9½ | 12 | 12 |
| 25 | 2 2 | 1 00 | 10 | 10 | 10 | 11 | 5 |
| 40 | 2 2 | 1 25 | 10 | 10 | 10 | 12 | 12 |
| 50 | 2 1 | 1 25 | 10 | 10 | 10 | 10 | 10 |
| 25 | 2 1 | 1 35 | 10 | 9 | 9½ | 9 | 9 |
| 45 | 2 2 | 1 25 | 10 | 10 | 10 | 10 | 10 |
| 100 | 2 00 | 1 35 | 10 | 10 | 10 | 10 | 10 |
| 400 | 2 50 | 1 40 | 10 | 10 | 10 | 9 | 9 |
| 160 | 2 50 | 1 50 | 10 | 10 | 10 | 12 | 12 |
| 35 | 2 00 | 1 50 | 10 | 10 | 10 | 12 | 12 |
| 19 | 1 75 | 1 25 | 10 | 9 | 9½ | 12 | 9 |
| 26 | 2 00 | 1 25 | 10 | 10 | 10 | 12 | 12 |

Agricultural Implements—Continued.

| Number of establishment. | Average number of employees. | AVERAGE DAY'S WAGES FOR | | HOURS OF LABOR. | | | No. of months employed in each establishment. | TIME EMPLOYED, IN MONTHS. | | | | |
|--------------------------|------------------------------|-------------------------|--------------------|-----------------|--------------|-----------------|---|---------------------------|---------------------|---------------------|----------|--|
| | | Skilled Mechanics | Ordinary Laborers. | May to Nov. | Nov. to May. | Yearly Average. | | Full time. | $\frac{3}{4}$ time. | $\frac{1}{2}$ time. | Idle.... | |
| 67 | 225 | \$2 50 | \$1 35 | 10 | 10 | 10 | 12 | 12 | | | | |
| 68 | 126 | 2 00 | 1 25 | 10 | 10 | 10 | 11 | 11 | | | | |
| 69 | 50 | 2 25 | 1 25 | 10 | 10 | 10 | 10 | 10 | | | | |
| 70 | 30 | 2 00 | 1 50 | 10 | 10 | 10 | 10 | 6 | | 4 | | |
| 71 | 40 | 2 00 | 1 37 | 10 | 10 | 10 | 12 | 12 | | | | |
| 72 | 50 | 2 25 | 1 40 | 10 | 10 | 10 | 11 | 11 | | | | |
| 73 | 10 | 2 00 | 1 50 | 10 | 10 | 10 | 12 | 12 | | | | |
| 74 | 10 | 2 75 | 1 50 | 9 | 9 | 9 | 13 | 8 | 2 | 2 | | |

BOOTS AND SHOES.

| | | | | | | | | | | | | |
|----|-----|--------|--------|----|----|----|----|----|---|---|--|---|
| 1 | 18 | \$2 00 | \$1 00 | 10 | 10 | 10 | 12 | 12 | | | | |
| 2 | 25 | 2 00 | 1 75 | 10 | 10 | 10 | 12 | 12 | | | | |
| 3 | 120 | 1 00 | 50 | 10 | 10 | 10 | 12 | 12 | | | | |
| 4 | 15 | 1 00 | 1 00 | 10 | 10 | 10 | 11 | 10 | 1 | | | 1 |
| 5 | 53 | 3 00 | 2 00 | 10 | 10 | 10 | 12 | 12 | | | | |
| 6 | 90 | 2 00 | 1 50 | 10 | 10 | 10 | 11 | 11 | | | | 1 |
| 7 | 160 | 2 50 | 1 33 | 9 | 9 | 9 | 11 | 11 | | | | 1 |
| 8 | 250 | 3 00 | 1 50 | 9 | 9 | 9 | 12 | 12 | | | | |
| 9 | 75 | 2 75 | 1 00 | 10 | 9 | 9½ | 12 | 10 | 2 | | | |
| 10 | 80 | 2 25 | 1 00 | 10 | 10 | 10 | 11 | 11 | | | | 1 |
| 11 | 36 | 1 75 | 75 | 10 | 10 | 10 | 12 | 12 | | | | |
| 12 | 40 | 2 25 | 1 75 | 10 | 10 | 10 | 11 | 11 | | | | 1 |
| 13 | 24 | 3 00 | 1 50 | 10 | 10 | 10 | 12 | 12 | | | | |
| 14 | 22 | 2 00 | 75 | 10 | 10 | 10 | 12 | 12 | | | | |
| 15 | 28 | 1 75 | 1 00 | 10 | 10 | 10 | 11 | 11 | | | | 1 |
| 16 | 26 | 2 00 | 1 75 | 10 | 10 | 10 | 11 | 11 | | | | 1 |
| 17 | 45 | 2 25 | 1 00 | 10 | 10 | 10 | 12 | 12 | | | | 4 |
| 18 | 100 | 1 50 | 1 00 | 10 | 10 | 10 | 12 | 12 | | | | |
| 19 | 40 | 2 50 | 75 | 10 | 10 | 10 | 10 | 10 | | | | 2 |
| 20 | 53 | 2 00 | 1 25 | 10 | 10 | 10 | 12 | 12 | | | | |
| 21 | 50 | 2 00 | 1 25 | 10 | 10 | 10 | 11 | 11 | | | | 1 |
| 22 | 12 | 2 00 | 1 25 | 10 | 10 | 10 | 12 | 12 | | | | |
| 23 | 33 | 2 00 | 1 25 | 10 | 10 | 10 | 12 | 12 | | | | |
| 24 | 15 | 2 25 | 1 00 | 10 | 10 | 10 | 11 | 11 | | | | 1 |
| 25 | 10 | 2 00 | 1 50 | 10 | 10 | 10 | 12 | 12 | | | | |
| 26 | 23 | 2 00 | 1 50 | 10 | 10 | 10 | 12 | 8 | 2 | 2 | | 1 |
| 27 | 35 | 2 50 | 1 25 | 10 | 10 | 10 | 11 | 11 | | | | 1 |
| 28 | 14 | 2 00 | 1 75 | 10 | 10 | 10 | 11 | 11 | | | | 1 |
| 29 | 58 | 2 00 | 1 10 | 10 | 10 | 10 | 12 | 12 | | | | |
| 30 | 514 | 3 80 | 45 | 11 | 10 | 10 | 12 | 12 | | | | |

BOXES.

| | | | | | | | | | | | | |
|----|-----|--------|--------|----|----|----|----|----|---|--|--|---|
| 1 | 20 | \$1 75 | \$1 35 | 10 | 10 | 10 | 11 | 9 | 2 | | | 1 |
| 2 | 31 | 2 00 | 1 25 | 10 | 8 | 9 | 12 | 12 | | | | |
| 3 | 80 | 3 00 | 1 50 | 10 | 10 | 10 | 12 | 12 | | | | |
| 4 | 70 | 1 75 | 1 00 | 10 | 10 | 10 | 12 | 12 | | | | |
| 5 | 70 | 2 00 | 1 25 | 10 | 9 | 9½ | 12 | 12 | | | | |
| 6 | 115 | 2 50 | 1 75 | 10 | 10 | 10 | 12 | 12 | | | | |
| 7 | 53 | 2 50 | 1 50 | 9 | 9 | 9 | 12 | 12 | | | | |
| 8 | 75 | 2 00 | 1 25 | 10 | 10 | 10 | 12 | 12 | | | | |
| 9 | 125 | 2 50 | 1 25 | 10 | 10 | 10 | 12 | 12 | | | | |
| 10 | 92 | 3 00 | 1 00 | 10 | 9 | 9½ | 12 | 12 | | | | |

TIME AND WAGES.

Boxes—Continued.

| Average num- ber of em- ployees | AVERAGE DAY'S WAGES FOR | | HOURS OF LABOR. | | | No of months employed in each estab- lishment..... | TIME EMPLOY- MON. HS. | | |
|---------------------------------------|----------------------------|-----------------------|-------------------|--------------------|-------------------------|---|--------------------------|---------|---------|
| | Skilled Mechan'cs | Ordinary Laborers. | May to Nov. | Nov. to May. | Yearly Aver- age. | | Full time.. | % time. | % time. |
| 90 | \$2 50 | \$1 00 | 10 | 8 | 9 | 12 | 8 | 4 | 2 |
| 65 | 2 25 | 1 00 | 10 | 10 | 10 | 12 | 12 | | |
| 35 | 2 00 | 1 00 | 10 | 8 | 9 | 12 | 10 | | |
| 100 | 2 50 | 1 50 | 10 | 10 | 10 | 12 | 12 | | |
| 70 | 2 00 | 1 00 | 10 | 10 | 10 | 12 | 12 | | |
| 80 | 3 00 | 1 50 | 10 | 10 | 10 | 12 | 12 | | |
| 40 | 2 50 | 1 25 | 10 | 10 | 10 | 6 | 6 | | |
| 70 | 2 00 | 1 25 | 10 | 10 | 10 | 12 | 12 | | |
| 65 | 2 25 | 1 25 | 10 | 10 | 10 | 4 | 4 | | |
| 60 | 2 50 | 1 50 | 10 | 8 | 9 | 12 | 12 | | |
| 106 | 3 00 | 1 25 | 10 | 9 | 9½ | 6 | 6 | | |
| 100 | 2 00 | 1 00 | 10 | 10 | 10 | 12 | 12 | | |
| 26 | 1 75 | 1 00 | 10 | 10 | 10 | 12 | 12 | | |
| 30 | 2 00 | 1 00 | 10 | 10 | 10 | 12 | 12 | | |
| 35 | 1 66 | 1 25 | 10 | 10 | 10 | 12 | 12 | | |
| 20 | 1 75 | 1 25 | 10 | 10 | 10 | 12 | 12 | | |
| 80 | 2 50 | 1 00 | 10 | 10 | 10 | 12 | 12 | | |
| 40 | 2 00 | 1 00 | 10 | 10 | 10 | 12 | 12 | | |
| 50 | 2 00 | 1 00 | 9 | 9 | 9 | 12 | 12 | | |
| 20 | 2 00 | 1 00 | 10 | 10 | 10 | 12 | 12 | | |
| 14 | 2 00 | 1 25 | 10 | 10 | 10 | 12 | 12 | | |
| 80 | 2 50 | 1 50 | 10 | 10 | 10 | 11 | 11 | | |

BRICK.

| | | | | | | | | | |
|----|-----|--------|--------|-------|-------|-------|-------|-------|--|
| 1 | 36 | \$1 75 | \$1 25 | 10 | 9 | 9½ | 6 | 6 | |
| 2 | 14 | 2 50 | 1 50 | 8 | 10 | 9 | 6 | 6 | |
| 3 | 40 | 2 50 | 1 50 | 8 | 10 | 9 | 6 | 6 | |
| 4 | 50 | 2 50 | 1 50 | 8 | 10 | 9 | 6 | 6 | |
| 5 | 21 | 2 50 | 1 50 | 8 | 10 | 9 | 6 | 6 | |
| 6 | 17 | 2 50 | 1 50 | 8 | 10 | 9 | 6 | 6 | |
| 7 | 18 | 2 50 | 2 00 | 8 | 10 | 9 | 6 | 6 | |
| 8 | 20 | 2 50 | 2 00 | 8 | 10 | 9 | 6 | 6 | |
| 9 | 18 | 2 50 | 1 12 | 8 | 10 | 9 | 6 | 6 | |
| 10 | 45 | 2 75 | 1 75 | 8 | 10 | 9 | 6 | 6 | |
| 11 | 18 | 2 50 | 1 50 | 8 | 10 | 9 | 6 | 6 | |
| 12 | 14 | 2 50 | 1 50 | 8 | 10 | 9 | 6 | 6 | |
| 13 | 20 | 2 25 | 1 00 | 10 | 10 | 10 | 6 | 6 | |
| 14 | 30 | 2 50 | 2 00 | 8 | 8 | 8 | 12 | 5 | |
| 15 | 20 | 2 75 | 2 00 | 8 | 8 | 8 | 7 | 6 | |
| 16 | 50 | 2 00 | 1 50 | 10 | 10 | 10 | 6 | 6 | |
| 17 | 60 | 2 50 | 1 75 | 10 | 10 | 10 | 6 | 6 | |
| 18 | 22 | 2 25 | ..... | 10 | 10 | 10 | 6 | 6 | |
| 19 | 40 | 2 50 | ..... | 10 | 10 | 10 | 6 | 6 | |
| 20 | 45 | 2 25 | ..... | 10 | 10 | 10 | 6 | 6 | |
| 21 | 40 | 2 25 | ..... | 10 | 10 | 10 | 6 | 6 | |
| 22 | 35 | 2 25 | ..... | 10 | 10 | 10 | 6 | 6 | |
| 23 | 17 | 2 25 | ..... | 10 | 10 | 10 | 6 | 6 | |
| 24 | 50 | 2 50 | 1 50 | 8 | 8 | 8 | 7 | 5 | |
| 25 | 75 | 2 00 | 1 50 | 8 | 8 | 8 | 8 | 6 | |
| 26 | 60 | 2 50 | 2 00 | 8 | 8 | 8 | 8 | 8 | |
| 27 | 96 | 2 00 | 1 00 | 8 | 8 | 8 | 6 | 6 | |
| 28 | 24 | 2 00 | ..... | 8 | 8 | 8 | 6 | 6 | |
| 29 | 18 | 3 00 | 2 00 | 10 | 8 | 9 | 6 | 6 | |
| 30 | 15 | ..... | ..... | ..... | ..... | ..... | ..... | ..... |  |
| 31 | 170 | 2 50 | 2 00 | 8 | 10 | 9 | 6 | 6 | |
| 32 | 30 | 2 00 | ..... | 8 | 8 | 8 | 6 | 6 | |
| 33 | 60 | 2 75 | 1 50 | 10 | 10 | 10 | 6 | 6 | |
| 34 | 37 | ..... | 2 25 | 8 | 8 | 8 | 7 | 7 | |
| 35 | 40 | 2 00 | 1 35 | 10 | 10 | 10 | 12 | 12 | |

Brick—Continued.

| Number of establishment. | Average number of employes..... | AVERAGE DAY'S WAGES FOR | | HOURS OF LABOR. | | | No. of months employed in each establishment..... | TIME EMPLOYED, IN MONTHS. | | | | |
|--------------------------|---------------------------------|-------------------------|-------------------|-----------------|--------------|-----------------|---|---------------------------|---------------------|---------------------|---------------------|-----------|
| | | Skilled Mechanics | Ordinary Laborers | May to Nov. | Nov. to May. | Yearly Average. | | Full time. | $\frac{3}{4}$ time. | $\frac{2}{3}$ time. | $\frac{1}{2}$ time. | Idle..... |
| 36 | 16 | \$2 50 | \$1 25 | 10 | 10 | 10 | 6 | 6 | ..... | ..... | 4 | 6 |
| 37 | 39 | 2 00 | 1 18 | 10 | 10 | 10 | 10 | 6 | ..... | ..... | ..... | 2 |
| 38 | 31 | 3 00 | 1 25 | 10 | 10 | 10 | 9 | 9 | ..... | ..... | ..... | 3 |
| 39 | 20 | 1 75 | 1 25 | 10 | 9 | 9 $\frac{1}{2}$ | 10 | 8 | 2 | ..... | ..... | 5 |
| 40 | 21 | 2 00 | 1 50 | 10 | 10 | 10 | 7 | 7 | ..... | ..... | ..... | 5 |
| 41 | 17 | 2 00 | 1 25 | 8 | 10 | 9 | 10 | 6 | ..... | ..... | 4 | 2 |
| 42 | 35 | 2 00 | 1 25 | 10 | 10 | 10 | 7 | 7 | ..... | ..... | ..... | 5 |
| 43 | 10 | 2 25 | 1 50 | 12 | 10 | 11 | 6 | 6 | ..... | ..... | ..... | 6 |
| 44 | 50 | 1 50 | 1 25 | 10 | 9 | 9 $\frac{1}{2}$ | 11 | 8 | 3 | ..... | ..... | 1 |
| 45 | 20 | 1 50 | 1 25 | 9 | 10 | 9 $\frac{1}{2}$ | 8 | 8 | ..... | ..... | ..... | 4 |
| 46 | 20 | 2 00 | 1 25 | 10 | 10 | 10 | 12 | 12 | ..... | ..... | ..... | ..... |
| 47 | 30 | 2 00 | 1 25 | 10 | 9 | 9 $\frac{1}{2}$ | 12 | 12 | ..... | ..... | ..... | ..... |
| 48 | 30 | 1 50 | ..... | 10 | 10 | 10 | 12 | 12 | ..... | ..... | ..... | ..... |
| 49 | 20 | 1 25 | ..... | 10 | 9 | 9 $\frac{1}{2}$ | 12 | 6 | 6 | ..... | ..... | 6 |
| 50 | 30 | 2 50 | 1 25 | 10 | 8 | 9 | 6 | 6 | ..... | ..... | ..... | ..... |
| 51 | 30 | 1 75 | 1 25 | 10 | 8 | 9 | 11 | 8 | 3 | ..... | ..... | 1 |

BROOMS AND BRUSHES.

| | | | | | | | | | | | | |
|---|----|--------|--------|----|----|------------------|----|----|-------|-------|-------|-------|
| 1 | 65 | \$2 00 | \$1 00 | 10 | 10 | 10 | 12 | 9 | ..... | ..... | 3 | ..... |
| 2 | 90 | 2 50 | 1 00 | 10 | 9 | 9 $\frac{1}{2}$ | 11 | 8 | 3 | ..... | ..... | 1 |
| 3 | 30 | 2 00 | 1 00 | 10 | 10 | 10 | 12 | 12 | ..... | ..... | ..... | ..... |
| 4 | 8 | 2 25 | ..... | 10 | 10 | 10 | 12 | 12 | ..... | ..... | ..... | ..... |
| 5 | 16 | 2 00 | ..... | 10 | 11 | 10 $\frac{1}{2}$ | 12 | 12 | ..... | ..... | ..... | ..... |
| 6 | 40 | 2 00 | 1 00 | 10 | 10 | 10 | 10 | 10 | ..... | ..... | ..... | 2 |
| 7 | 39 | 2 00 | 1 50 | 10 | 10 | 10 | 12 | 12 | ..... | ..... | ..... | ..... |
| 8 | 20 | 1 75 | 1 00 | 10 | 9 | 9 $\frac{1}{2}$ | 12 | 12 | ..... | ..... | ..... | ..... |

BUILDING.

| | | | | | | | | | | | | |
|----|-----|--------|--------|----|----|-----------------|----|----|-------|-------|-------|-------|
| 1 | 12 | \$2 00 | \$1 25 | 10 | 10 | 10 | 12 | 12 | ..... | ..... | ..... | ..... |
| 2 | 153 | 2 00 | 1 50 | 10 | 10 | 10 | 12 | 12 | ..... | ..... | ..... | ..... |
| 3 | 36 | 2 00 | 1 25 | 10 | 9 | 9 $\frac{1}{2}$ | 12 | 8 | 4 | ..... | ..... | ..... |
| 4 | 31 | 2 00 | 1 50 | 10 | 9 | 9 $\frac{1}{2}$ | 12 | 12 | ..... | ..... | ..... | ..... |
| 5 | 20 | 2 50 | 1 50 | 10 | 10 | 10 | 11 | 5 | ..... | ..... | 6 | 1 |
| 6 | 16 | 2 25 | 2 00 | 10 | 8 | 9 | 12 | 12 | ..... | ..... | ..... | ..... |
| 7 | 12 | 2 25 | 2 00 | 10 | 10 | 10 | 12 | 12 | ..... | ..... | ..... | ..... |
| 8 | 25 | 2 00 | ..... | 10 | 9 | 9 $\frac{1}{2}$ | 12 | 12 | ..... | ..... | ..... | ..... |
| 9 | 67 | 2 25 | 1 50 | 10 | 9 | 9 $\frac{1}{2}$ | 12 | 13 | ..... | ..... | ..... | ..... |
| 10 | 30 | 2 25 | 1 50 | 10 | 8 | 9 | 12 | 9 | 3 | ..... | ..... | ..... |
| 11 | 25 | 1 75 | ..... | 10 | 9 | 9 $\frac{1}{2}$ | 12 | 12 | ..... | ..... | ..... | ..... |
| 12 | 12 | 2 25 | ..... | 10 | 10 | 10 | 11 | 11 | ..... | ..... | ..... | 1 |
| 13 | 9 | 2 50 | 2 00 | 10 | 10 | 10 | 12 | 12 | ..... | ..... | ..... | ..... |
| 14 | 10 | 2 25 | 2 00 | 10 | 10 | 10 | 12 | 12 | ..... | ..... | ..... | ..... |
| 15 | 400 | 3 00 | 1 25 | 10 | 10 | 10 | 12 | 8 | 4 | ..... | ..... | ..... |
| 16 | 20 | 2 25 | 1 00 | 10 | 10 | 10 | 12 | 12 | ..... | ..... | ..... | ..... |
| 17 | 8 | 2 25 | 2 00 | 10 | 9 | 9 $\frac{1}{2}$ | 12 | 12 | ..... | ..... | ..... | ..... |
| 18 | 25 | 2 25 | 1 50 | 10 | 9 | 9 $\frac{1}{2}$ | 12 | 12 | ..... | ..... | ..... | ..... |
| 19 | 22 | 1 90 | 1 50 | 10 | 9 | 9 $\frac{1}{2}$ | 12 | 12 | ..... | ..... | ..... | ..... |
| 20 | 13 | 2 25 | 2 00 | 10 | 9 | 9 $\frac{1}{2}$ | 12 | 12 | ..... | ..... | ..... | ..... |
| 21 | 18 | 2 00 | 1 50 | 10 | 9 | 9 $\frac{1}{2}$ | 12 | 12 | ..... | ..... | ..... | ..... |
| 22 | 12 | 2 00 | ..... | 10 | 9 | 9 $\frac{1}{2}$ | 12 | 12 | ..... | ..... | ..... | ..... |
| 23 | 30 | 2 00 | 1 00 | 10 | 10 | 10 | 12 | 12 | ..... | ..... | ..... | ..... |
| 24 | 11 | 2 25 | 1 50 | 10 | 9 | 9 $\frac{1}{2}$ | 12 | 12 | ..... | ..... | ..... | ..... |
| 25 | 16 | 2 25 | 1 50 | 10 | 9 | 9 $\frac{1}{2}$ | 12 | 12 | ..... | ..... | ..... | ..... |
| 26 | 15 | 2 25 | 1 75 | 10 | 9 | 9 $\frac{1}{2}$ | 9 | 9 | ..... | ..... | ..... | 3 |
| 27 | 33 | 2 50 | 1 50 | 10 | 9 | 9 $\frac{1}{2}$ | 12 | 9 | 3 | ..... | ..... | ..... |

Building—Continued.

| Number of establishment... | Average number of employees... | AVERAGE DAY'S WAGES FOR | | HOURS OF LABOR. | | | No. of months employed in each establishment.... | TIME EMPLOYED, IN MONTHS. | | | | |
|----------------------------|--------------------------------|-------------------------|--------------------|-----------------|--------------|-----------------|--|---------------------------|---------|---------|---------|----------|
| | | Skilled Mechanics | Ordinary Laborers. | May to Nov. | Nov. to May. | Yearly Average. | | Full time.. | % time. | % time. | % time. | Idle.... |
| 28 | 80 | \$2 25 | \$1 50 | 10 | 10 | 10 | 12 | 12 | ... | ... | ... | ... |
| 29 | 40 | 2 50 | 1 25 | 10 | 10 | 10 | 12 | 12 | ... | ... | ... | ... |
| 30 | 25 | 2 00 | ... | 10 | 10 | 10 | 12 | 12 | ... | ... | ... | ... |
| 31 | 35 | 3 50 | 2 00 | 10 | 10 | 10 | 9 | 9 | ... | ... | ... | 3 |
| 32 | 22 | 3 50 | 1 25 | 10 | 10 | 10 | 12 | 12 | ... | ... | ... | ... |
| 33 | 12 | 3 50 | 2 00 | 10 | 10 | 10 | 12 | 12 | ... | ... | ... | ... |
| 34 | 75 | 3 25 | 1 50 | 10 | 9 | 9½ | 12 | 12 | ... | ... | ... | ... |
| 35 | 18 | 3 25 | ... | 10 | 9 | 9½ | 12 | 12 | ... | ... | ... | ... |
| 36 | 16 | 3 50 | 1 50 | 10 | 8 | 9 | 12 | 12 | ... | ... | ... | ... |
| 37 | 10 | 3 25 | ... | 10 | 10 | 10 | 10 | 10 | ... | ... | ... | 2 |
| 38 | 12 | 3 25 | 1 50 | 10 | 10 | 10 | 12 | 12 | ... | ... | ... | ... |
| 39 | 15 | 3 25 | 1 50 | 10 | 10 | 10 | 12 | 12 | ... | ... | ... | ... |
| 40 | 30 | 1 75 | 1 25 | 10 | 9 | 9½ | 10 | 10 | ... | ... | ... | 2 |
| 41 | 35 | 2 25 | 1 75 | 10 | 9 | 9½ | 12 | 12 | ... | ... | ... | ... |
| 42 | 13 | 3 75 | 1 75 | 10 | 10 | 10 | 12 | 12 | ... | ... | ... | ... |
| 43 | 40 | 3 75 | 1 50 | 10 | 10 | 10 | 10 | 10 | ... | ... | ... | 2 |
| 44 | 20 | 3 75 | 1 50 | 10 | 9 | 9½ | 9 | 9 | ... | ... | ... | 3 |
| 45 | 25 | 3 75 | 1 50 | 10 | 10 | 10 | 10 | 10 | ... | ... | ... | 2 |
| 46 | 24 | 3 00 | 1 50 | 10 | 10 | 10 | 9 | 9 | ... | ... | ... | 3 |
| 47 | 46 | 3 75 | 1 62 | 10 | 10 | 10 | 9 | 9 | ... | ... | ... | 3 |
| 48 | 20 | 3 50 | 1 50 | 10 | 10 | 10 | 10 | 10 | ... | ... | ... | 2 |
| 49 | 30 | 3 50 | 1 25 | 10 | 10 | 10 | 7 | 7 | ... | ... | ... | 5 |
| 50 | 14 | 3 75 | 1 50 | 10 | 10 | 10 | 8 | 8 | ... | ... | ... | 4 |
| 51 | 25 | 2 50 | 1 60 | 10 | 10 | 10 | 10 | 10 | ... | ... | ... | 2 |
| 52 | 60 | 3 75 | 1 60 | 10 | 10 | 10 | 10 | 10 | ... | ... | ... | ... |
| 53 | 38 | 3 50 | 1 50 | 10 | 10 | 10 | 8 | 8 | ... | ... | ... | 4 |
| 54 | 15 | 3 75 | 1 60 | 10 | 10 | 10 | 9 | 9 | ... | ... | ... | 3 |
| 55 | 30 | 3 50 | 1 50 | 10 | 9 | 9½ | 12 | 12 | ... | ... | ... | ... |
| 56 | 30 | 3 50 | 1 60 | 10 | 10 | 10 | 9 | 9 | ... | ... | ... | 3 |
| 57 | 20 | 3 75 | 1 75 | 10 | 9 | 9½ | 8 | 8 | ... | ... | ... | 4 |
| 58 | 75 | 3 50 | 1 50 | 10 | 10 | 10 | 11 | 11 | ... | ... | ... | 1 |
| 59 | 25 | 3 00 | 1 50 | 10 | 10 | 10 | 12 | 12 | ... | ... | ... | ... |
| 60 | 25 | 3 75 | 1 50 | 10 | 10 | 10 | 8 | 8 | ... | ... | ... | 4 |
| 61 | 24 | 3 75 | 1 50 | 10 | 10 | 10 | 7 | 7 | ... | ... | ... | 5 |
| 62 | 30 | 3 00 | 1 50 | 10 | 10 | 10 | 5 | 5 | ... | ... | ... | 7 |
| 63 | 30 | 3 75 | 1 75 | 10 | 9 | 9½ | 12 | 12 | ... | ... | ... | ... |
| 64 | 20 | 3 50 | 1 50 | 10 | 10 | 10 | 8 | 8 | ... | ... | ... | 4 |
| 65 | 12 | 3 75 | 1 60 | 10 | 9 | 9½ | 9 | 9 | ... | ... | ... | 3 |
| 66 | 40 | 3 75 | 1 60 | 10 | 10 | 10 | 10 | 10 | ... | ... | ... | 2 |
| 67 | 22 | 3 75 | 1 60 | 10 | 10 | 10 | 11 | 11 | ... | ... | ... | 1 |
| 68 | 30 | 3 87 | 1 75 | 10 | 10 | 10 | 10 | 10 | ... | ... | ... | 2 |
| 69 | 50 | 3 75 | 1 60 | 10 | 10 | 10 | 12 | 12 | ... | ... | ... | ... |
| 70 | 14 | 3 50 | 1 75 | 10 | 10 | 10 | 9 | 9 | ... | ... | ... | 3 |
| 71 | 12 | 3 75 | 1 75 | 10 | 10 | 10 | 11 | 11 | ... | ... | ... | 1 |
| 72 | 35 | 3 75 | 1 50 | 10 | 10 | 10 | 8 | 8 | ... | ... | ... | 4 |
| 73 | 100 | 3 75 | 1 75 | 10 | 8 | 9 | 9 | 9 | ... | ... | ... | 3 |
| 74 | 200 | 3 25 | 1 25 | 10 | 10 | 10 | 12 | 9 3 | ... | ... | ... | ... |
| 75 | 40 | 3 75 | 1 62 | 10 | 8 | 9 | 12 | 12 | ... | ... | ... | ... |
| 76 | 50 | 3 25 | 1 25 | 10 | 8 | 9 | 12 | 12 | ... | ... | ... | ... |
| 77 | 40 | 3 50 | 1 25 | 10 | 10 | 10 | 9 | 9 | ... | ... | ... | 3 |
| 78 | 80 | 3 75 | 1 75 | 10 | 9 | 9½ | 12 | 12 | ... | ... | ... | ... |
| 79 | 82 | 3 75 | 1 60 | 10 | 9 | 9½ | 12 | 9 3 | ... | ... | ... | ... |
| 80 | 150 | 3 50 | 1 50 | 10 | 10 | 10 | 12 | 12 | ... | ... | ... | ... |
| 81 | 10 | 3 00 | ... | 10 | 10 | 10 | 12 | 12 | ... | ... | ... | ... |
| 82 | 20 | 3 25 | 1 00 | 10 | 10 | 10 | 12 | 8 2 | ... | ... | ... | 2 |
| 83 | 19 | 3 00 | 1 50 | 10 | 8 | 9 | 12 | 9 | ... | ... | ... | 3 |
| 84 | 15 | 3 00 | 1 25 | 10 | 10 | 10 | 8 | 8 | ... | ... | ... | 4 |
| 85 | 25 | 3 00 | 1 50 | 10 | 10 | 10 | 6 | 6 | ... | ... | ... | 6 |
| 86 | 13 | 3 00 | ... | 10 | 10 | 10 | 12 | 8 | ... | ... | ... | 4 |
| 87 | 12 | 3 50 | 1 50 | 10 | 9 | 9½ | 12 | 12 | ... | ... | ... | ... |
| 88 | 30 | 3 25 | 1 50 | 10 | 9 | 9½ | 12 | 8 4 | ... | ... | ... | ... |
| 89 | 30 | 3 50 | 1 50 | 10 | 10 | 10 | 12 | 8 4 | ... | ... | ... | ... |
| 90 | 22 | 3 50 | 1 25 | 10 | 10 | 10 | 12 | 10 2 | ... | ... | ... | ... |
| 91 | 64 | 2 25 | 1 25 | 10 | 10 | 10 | 12 | 12 | ... | ... | ... | ... |
| 92 | 16 | 2 00 | 1 25 | 10 | 10 | 10 | 12 | 12 | ... | ... | ... | ... |

Building—Continued.

| Number of establishments.. | Average number of employees..... | AVERAGE DAY'S WAGES FOR | | HOURS OF LABOR. | | | No. of months employed in each establishment..... | TIME EMPLOYED, IN MONTHS. | | | | |
|----------------------------|----------------------------------|-------------------------|--------------------|-----------------|--------------|-----------------|---|---------------------------|---------------------|---------------------|---------------------|----------|
| | | Skilled Mechanics | Ordinary Laborers. | May to Nov. | Nov. to May. | Yearly Average. | | Full time.. | $\frac{3}{4}$ time. | $\frac{1}{2}$ time. | $\frac{1}{4}$ time. | Idle.... |
| 93 | 10 | \$2 25 | \$1 50 | 10 | 10 | 10 | 12 | 12 | | | | |
| 94 | 15 | 2 50 | 1 50 | 10 | 8 | 9 | 12 | 12 | | | | |
| 95 | 25 | 2 00 | 1 25 | 10 | 9 | 9½ | 12 | 8 | 4 | | | |
| 96 | 10 | 1 75 | 1 25 | 10 | 8 | 9 | 12 | 10 | 2 | | | |
| 97 | 65 | 2 00 | 1 25 | 10 | 8 | 9 | 12 | 10 | 2 | | | |
| 98 | 20 | 2 75 | 1 00 | 10 | 8 | 9 | 12 | 9 | 3 | | | |
| 99 | 20 | 2 00 | 1 00 | 10 | 8 | 9 | 12 | 9 | 3 | | | |
| 100 | 35 | 2 10 | 1 00 | 10 | 9 | 9½ | 11 | 8 | 3 | | | 1 |
| 101 | 18 | 2 00 | 1 50 | 10 | 10 | 10 | 12 | 12 | | | | |
| 102 | 10 | 2 25 | 1 50 | 10 | 10 | 10 | 12 | 10 | | | | |
| 103 | 18 | 2 00 | 1 75 | 10 | 8 | 9 | 12 | 11 | | | | 2 |
| 104 | 22 | 2 00 | 1 25 | 10 | 9 | 9½ | 12 | 9 | 3 | | | 1 |
| 105 | 13 | 2 50 | 2 00 | 10 | 10 | 10 | 12 | 8 | 4 | | | |
| 106 | 10 | 2 00 | 1 25 | 10 | 8 | 9 | 12 | 12 | | | | |
| 107 | 30 | 1 75 | 1 25 | 10 | 9 | 9½ | 12 | 12 | | | | |

CARRIAGES AND WAGONS.

| | | | | | | | | | | | | |
|----|-----|--------|--------|----|----|-----|----|----|---|---|---|--|
| 1 | 40 | \$1 75 | \$1 25 | 10 | 9 | 9½ | 12 | 12 | | | | |
| 2 | 12 | 1 50 | 1 50 | 10 | 10 | 10 | 12 | 12 | | | | |
| 3 | 120 | 2 50 | 1 25 | 10 | 10 | 10 | 12 | 12 | | | | |
| 4 | 25 | 2 50 | 1 25 | 10 | 10 | 10 | 12 | 12 | | | | |
| 5 | 8 | 2 00 | 1 25 | 10 | 9 | 9½ | 12 | 12 | | | | |
| 6 | 13 | 2 25 | 1 35 | 10 | 10 | 10 | 12 | 8 | 3 | 1 | | |
| 7 | 12 | 2 25 | 1 25 | 10 | 10 | 10 | 12 | 12 | | | | |
| 8 | 16 | 2 50 | 1 75 | 10 | 10 | 10 | 12 | 10 | 2 | | | |
| 9 | 10 | 2 00 | 1 00 | 10 | 8 | 9 | 12 | 12 | | | | |
| 10 | 10 | 2 25 | 1 50 | 9 | 8 | 8½ | 12 | 12 | | | | |
| 11 | 35 | 2 50 | 1 35 | 10 | 10 | 10 | 12 | 12 | | | | |
| 12 | 10 | 2 00 | 1 25 | 10 | 8 | 9 | 12 | 12 | | | | |
| 13 | 25 | 2 50 | 1 25 | 10 | 8 | 9 | 12 | 6 | | 6 | | |
| 14 | 13 | 2 00 | 1 25 | 10 | 10 | 10 | 12 | 12 | | | | |
| 15 | 60 | 2 25 | 1 25 | 10 | 8 | 9 | 12 | 4 | | 7 | 1 | |
| 16 | 20 | 2 00 | 1 25 | 10 | 10 | 10 | 12 | 12 | | | | |
| 17 | 293 | 2 25 | 1 35 | 10 | 10 | 10 | 12 | 12 | | | | |
| 18 | 100 | 2 00 | 1 25 | 10 | 9 | 9½ | 12 | 9 | 4 | | | |
| 19 | 70 | 1 75 | 1 00 | 10 | 10 | 10 | 12 | 12 | | | | |
| 20 | 100 | 2 00 | 1 25 | 10 | 10 | 10 | 12 | 12 | | | | |
| 21 | 30 | 2 00 | 1 00 | 10 | 10 | 10 | 12 | 12 | | | | |
| 22 | 25 | 2 50 | 1 25 | 10 | 10 | 10 | 12 | 11 | 1 | | | |
| 23 | 22 | 2 25 | 1 40 | 10 | 9 | 9½ | 12 | 12 | | | | |
| 24 | 53 | 2 25 | 1 12 | 10 | 9 | 9½ | 12 | 12 | | | | |
| 25 | 46 | 2 50 | 1 50 | 10 | 10 | 10 | 12 | 12 | | | | |
| 26 | 12 | 1 75 | 1 25 | 10 | 10 | 10 | 12 | 12 | | | | |
| 27 | 9 | 2 50 | 1 25 | 11 | 10 | 10½ | 12 | 12 | | | | |
| 28 | 12 | 1 75 | 1 25 | 10 | 10 | 10 | 12 | 12 | | | | |
| 29 | 17 | 1 75 | 1 25 | 10 | 9 | 9½ | 12 | 6 | 6 | | | |
| 30 | 59 | 2 00 | 1 50 | 10 | 10 | 10 | 12 | 12 | | | | |
| 31 | 31 | 2 37 | 1 65 | 10 | 10 | 10 | 12 | 12 | | | | |
| 32 | 25 | 2 50 | 1 75 | 10 | 10 | 10 | 12 | 12 | | | | |
| 33 | 15 | 2 50 | 1 75 | 10 | 9 | 9½ | 12 | 12 | | | | |
| 34 | 10 | 2 50 | 1 75 | 10 | 10 | 10 | 12 | 12 | | | | |
| 35 | 12 | 2 25 | 1 50 | 10 | 10 | 10 | 12 | 12 | | | | |
| 36 | 16 | 2 00 | 1 25 | 10 | 10 | 10 | 12 | 12 | | | | |
| 37 | 15 | 1 40 | 1 00 | 10 | 10 | 10 | 12 | 12 | | | | |
| 38 | 12 | 2 25 | 1 50 | 10 | 10 | 10 | 12 | 12 | | | | |
| 39 | 12 | 2 50 | 1 50 | 10 | 10 | 10 | 12 | 12 | | | | |
| 40 | 13 | 2 50 | 1 33 | 10 | 10 | 10 | 12 | 12 | | | | |
| 41 | 15 | 2 00 | 1 00 | 10 | 8 | 9 | 12 | 12 | | | | |
| 42 | 11 | 2 50 | 2 00 | 10 | 9 | 9½ | 12 | 12 | | | | |
| 43 | 10 | 2 50 | 2 00 | 10 | 10 | 10 | 12 | 12 | | | | |
| 44 | 9 | 2 75 | 2 00 | 10 | 8 | 9 | 12 | 9 | 3 | | | |

Carriages and Wagons—Continued.

| Number of employees. | Average day wages for | HOURS OF LABOR. | | | No. of months employed in each establishment. | TIME EMPLOYED, IN MONTHS. | | | | |
|----------------------|-----------------------|-------------------|--------------------|-------------|---|---------------------------|------------|---------------------|---------------------|-------|
| | | Skilled Mechanics | Ordinary Laborers. | May to Nov. | Nov. to May. | Yearly Average. | Full time. | $\frac{3}{4}$ time. | $\frac{1}{2}$ time. | Idle. |
| 10 | \$3 00 | | \$1 50 | 10 | 10 | 10 | 12 | 12 | | |
| 25 | 2 00 | | 1 25 | 10 | 10 | 10 | 12 | 12 | | |
| 25 | 2 25 | | | 10 | 10 | 10 | 12 | 12 | | |
| 30 | 2 50 | | 1 50 | 10 | 9 | 9½ | 12 | 10 | 2 | |
| 12 | 2 00 | | 1 00 | 10 | 9 | 9½ | 12 | 8 | 4 | |
| 30 | 2 00 | | 1 25 | 10 | 8 | 9 | 12 | 10 | 2 | |
| 75 | 2 25 | | 1 25 | 10 | 10 | 10 | 12 | 12 | | |
| 10 | 2 00 | | 1 25 | 10 | 9 | 9½ | 12 | 12 | | |
| 14 | 2 50 | | 1 50 | 10 | 10 | 10 | 12 | 12 | | |
| 16 | 2 00 | | 1 00 | 10 | 10 | 10 | 12 | 10 | | |
| 15 | 2 50 | | 1 25 | 10 | 9 | 9½ | 12 | 12 | | |
| 18 | 2 00 | | 1 10 | 10 | 8 | 9 | 12 | 8 | 4 | |
| 10 | 1 75 | | 1 00 | 10 | 10 | 10 | 12 | 10 | 2 | |
| 10 | 1 75 | | 1 00 | 10 | 10 | 10 | 12 | 10 | 2 | |
| 12 | 2 00 | | 1 50 | 10 | 10 | 10 | 12 | 8 | 4 | |
| 11 | 2 50 | | 1 50 | 10 | 10 | 10 | 12 | 12 | | |
| 13 | 2 50 | | 2 00 | 10 | 8 | 9 | 12 | 12 | | |
| 10 | 2 00 | | 1 00 | 10 | 10 | 10 | 12 | 12 | | |
| 20 | 2 50 | | 1 00 | 10 | 9 | 9½ | 12 | 8 | 4 | |
| 12 | 2 50 | | | 10 | 8 | 9 | 12 | 8 | 4 | |
| 16 | 1 50 | | | 10 | 10 | 10 | 12 | 12 | | |
| 11 | 1 00 | | | 10 | 10 | 10 | 12 | 12 | | |
| 9 | 3 00 | | 1 50 | 10 | 9 | 9½ | 12 | 12 | | |
| 10 | 2 00 | | 1 25 | 10 | 10 | 10 | 12 | 12 | | |
| 40 | 2 00 | | 1 25 | 10 | 10 | 10 | 12 | 12 | | |
| 10 | 2 25 | | 1 50 | 10 | 10 | 10 | 12 | 12 | | |
| 12 | 1 50 | | 1 00 | 10 | 9 | 9½ | 12 | 6 | | 6 |
| 25 | 2 50 | | 1 30 | 10 | 10 | 10 | 11 | 11 | | 1 |
| 20 | 2 50 | | 1 25 | 10 | 9 | 9 | 12 | 8 | 4 | |
| 20 | 2 00 | | 1 00 | 10 | 10 | 10 | 12 | 10 | | |
| 20 | 2 50 | | 1 25 | 10 | 8 | 9 | 12 | 9 | 3 | |
| 35 | 2 00 | | 1 00 | 10 | 10 | 10 | 12 | 12 | | |
| 8 | 2 00 | | 1 00 | 10 | 10 | 10 | 12 | 12 | | |
| 130 | 1 25 | | 1 25 | 10 | 10 | 10 | 12 | 12 | | |
| 15 | 2 00 | | 1 25 | 10 | 9 | 9½ | 12 | 8 | 4 | |
| 12 | 2 25 | | 1 25 | 10 | 8 | 9 | 12 | 12 | | |
| 21 | 2 25 | | 1 25 | 10 | 9 | 9½ | 12 | 12 | | |
| 25 | 1 75 | | 1 25 | 10 | 9 | 9½ | 12 | 12 | | |
| 12 | 1 75 | | 1 25 | 10 | 9 | 9½ | 12 | 6 | 6 | |

CHEMICAL PREPARATIONS.

| | | | | | | | | | | |
|----|----|------|--------|----|----|----|----|----|--|---|
| 1 | 25 | | \$1 00 | 10 | 9 | 9½ | 12 | 12 | | |
| 2 | 25 | | 1 37½ | 10 | 12 | 11 | 12 | 12 | | |
| 3 | 25 | | 1 50 | 10 | 10 | 10 | 12 | 12 | | |
| 4 | 25 | | 1 10 | 10 | 10 | 10 | 12 | 12 | | |
| 5 | 25 | | 1 25 | 10 | 9 | 9½ | 12 | 12 | | |
| 6 | 25 | | 1 00 | 10 | 10 | 10 | 12 | 12 | | |
| 7 | 25 | | 1 00 | 10 | 10 | 10 | 12 | 12 | | |
| 8 | 25 | | 1 00 | 10 | 10 | 10 | 12 | 12 | | |
| 9 | 25 | | 1 25 | 10 | 10 | 10 | 6 | 6 | | 6 |
| 10 | 25 | | 1 00 | 10 | 10 | 10 | 12 | 12 | | |
| 11 | 25 | | 1 50 | 12 | 12 | 12 | 12 | 12 | | |
| | 90 | 1 75 | 1 00 | 10 | 10 | 10 | 12 | 12 | | |

CIGARS.

| Number of establishments.. | Average number of employees..... | AVERAGE DAY'S WAGES FOR | | HOURS OF LABOR. | | | No. of months employed in each establishment..... | TIME EMPLOYED, IN MONTHS. | | | | |
|----------------------------|----------------------------------|-------------------------|--------------------|-----------------|--------------|-----------------|---|---------------------------|---------------------|---------------------|---------------------|-----------|
| | | Skilled Mechanics | Ordinary Laborers. | May to Nov. | Nov. to May. | Yearly Average. | | Full time.. | $\frac{3}{4}$ time. | $\frac{1}{2}$ time. | $\frac{1}{4}$ time. | Idle..... |
| 1 | 20 | \$3 00 | \$1 50 | 10 | 9 | 9½ | 12 | 12 | ..... | ..... | ..... | ..... |
| 2 | 16 | 3 00 | 1 25 | 12 | 12 | 12 | 12 | 12 | ..... | ..... | ..... | ..... |
| 3 | 13 | 1 50 | 1 25 | 10 | 10 | 10 | 12 | 12 | ..... | ..... | ..... | ..... |
| 4 | 12 | 1 75 | 1 25 | 8 | 8 | 8 | 12 | 12 | ..... | ..... | ..... | ..... |
| 5 | 34 | 2 00 | 1 00 | 10 | 10 | 10 | 12 | 12 | ..... | ..... | ..... | ..... |
| 6 | 10 | 1 75 | ..... | 10 | 10 | 10 | 12 | 12 | ..... | ..... | ..... | ..... |
| 7 | 9 | 2 50 | 2 00 | 9 | 9 | 9 | 12 | 12 | ..... | ..... | ..... | ..... |
| 8 | 110 | 2 50 | 1 50 | 9 | 9 | 9 | 12 | 12 | ..... | ..... | ..... | ..... |
| 9 | 38 | 2 00 | 1 50 | 9 | 9 | 9 | 12 | 12 | ..... | ..... | ..... | ..... |
| 10 | 46 | 2 00 | 1 00 | 10 | 10 | 10 | 12 | 12 | ..... | ..... | ..... | ..... |
| 11 | 16 | 1 25 | ..... | 10 | 10 | 10 | 12 | 12 | ..... | ..... | ..... | ..... |
| 12 | 75 | 1 50 | 1 00 | 10 | 9 | 9½ | 12 | 12 | ..... | ..... | ..... | ..... |
| 13 | 30 | 2 50 | 1 75 | 10 | 9 | 9½ | 12 | 12 | ..... | ..... | ..... | ..... |
| 14 | 30 | 2 00 | ..... | 8 | 8 | 8 | 12 | 12 | ..... | ..... | ..... | ..... |
| 15 | 50 | 2 00 | 1 25 | 10 | 10 | 10 | 12 | 12 | ..... | ..... | ..... | ..... |
| 16 | 10 | 2 00 | 1 50 | 10 | 10 | 10 | 12 | 12 | ..... | ..... | ..... | ..... |
| 17 | 11 | 2 00 | 1 50 | 10 | 10 | 10 | 12 | 12 | ..... | ..... | ..... | ..... |
| 18 | 14 | 1 85 | 1 50 | 10 | 10 | 10 | 12 | 12 | ..... | ..... | ..... | ..... |
| 19 | 150 | 2 50 | 1 50 | 10 | 10 | 10 | 12 | 12 | ..... | ..... | ..... | ..... |
| 20 | 12 | 2 00 | 1 00 | 10 | 10 | 10 | 12 | 12 | ..... | ..... | ..... | ..... |
| 21 | 30 | 1 50 | 60 | 10 | 10 | 10 | 12 | 12 | ..... | ..... | ..... | ..... |
| 22 | 65 | 3 00 | 1 20 | 10 | 10 | 10 | 12 | 12 | ..... | ..... | ..... | ..... |
| 23 | 50 | 1 50 | 60 | 10 | 10 | 10 | 12 | 12 | ..... | ..... | ..... | ..... |
| 24 | 25 | 1 50 | 1 00 | 10 | 10 | 10 | 12 | 12 | ..... | ..... | ..... | ..... |
| 25 | 32 | 2 50 | 1 00 | 10 | 10 | 10 | 12 | 12 | ..... | ..... | ..... | ..... |
| 26 | 20 | 2 25 | 1 50 | 10 | 10 | 10 | 12 | 12 | ..... | ..... | ..... | ..... |
| 27 | 12 | 1 75 | 75 | 10 | 10 | 10 | 12 | 12 | ..... | ..... | ..... | ..... |
| 28 | 16 | 1 75 | 1 00 | 10 | 10 | 10 | 12 | 12 | ..... | ..... | ..... | ..... |
| 29 | 16 | 1 66 | 1 00 | 9 | 9 | 9 | 12 | 12 | ..... | ..... | ..... | ..... |
| 30 | 25 | 1 50 | 75 | 10 | 10 | 10 | 12 | 12 | ..... | ..... | ..... | ..... |
| 31 | 18 | 2 00 | 1 25 | 10 | 10 | 10 | 12 | 12 | ..... | ..... | ..... | ..... |
| 32 | 14 | 1 85 | 40 | 10 | 10 | 10 | 12 | 12 | ..... | ..... | ..... | ..... |
| 33 | 50 | 2 50 | 1 25 | 10 | 10 | 10 | 12 | 12 | ..... | ..... | ..... | ..... |
| 34 | 24 | 1 50 | 30 | 10 | 10 | 10 | 12 | 12 | ..... | ..... | ..... | ..... |
| 35 | 80 | 2 00 | 1 00 | 10 | 10 | 10 | 12 | 12 | ..... | ..... | ..... | ..... |
| 36 | 22 | 2 50 | 2 00 | 10 | 10 | 10 | 12 | 12 | ..... | ..... | ..... | ..... |
| 37 | 10 | 2 00 | 1 50 | 10 | 10 | 10 | 12 | 12 | ..... | ..... | ..... | ..... |
| 38 | 21 | 2 00 | 1 00 | 10 | 10 | 10 | 12 | 12 | ..... | ..... | ..... | ..... |
| 39 | 16 | 1 75 | 50 | 10 | 8 | 9 | 12 | 12 | ..... | ..... | ..... | ..... |

CLOCKS AND WATCHES.

| 1 | 100 | \$3 00 | \$2 00 | 10 | 10 | 10 | 12 | 10 | ..... | ..... | 2 | ..... |
|---|------|--------|--------|----|----|----|----|----|-------|-------|-------|-------|
| 2 | 15 | 2 50 | 1 50 | 10 | 10 | 10 | 12 | 12 | ..... | ..... | ..... | ..... |
| 3 | 1021 | 2 71 | 1 80 | 10 | 10 | 10 | 12 | 12 | ..... | ..... | ..... | ..... |
| 4 | 402 | 3 00 | 1 50 | 10 | 10 | 10 | 12 | 12 | ..... | ..... | ..... | ..... |
| 5 | 121 | 3 00 | 1 40 | 10 | 10 | 10 | 12 | 12 | ..... | ..... | ..... | ..... |

CLOTHING.

| 1 | 13 | \$2 00 | \$1 00 | 10 | 10 | 10 | 12 | 12 | ..... | ..... | ..... | ..... |
|---|------|--------|--------|----|----|----|----|----|-------|-------|-------|-------|
| 2 | 9 | 3 00 | 2 00 | 10 | 10 | 10 | 12 | 12 | ..... | ..... | ..... | ..... |
| 3 | 1250 | 3 00 | 1 00 | 10 | 10 | 10 | 12 | 12 | ..... | ..... | ..... | ..... |
| 4 | 750 | 2 00 | 1 00 | 10 | 10 | 10 | 12 | 12 | ..... | ..... | ..... | ..... |
| 5 | 975 | 2 25 | 1 00 | 10 | 10 | 10 | 12 | 12 | ..... | ..... | ..... | ..... |
| 6 | 1000 | 2 00 | 1 00 | 10 | 9 | 9½ | 12 | 12 | ..... | ..... | ..... | ..... |
| 7 | 35 | 2 00 | 1 00 | 10 | 10 | 10 | 12 | 12 | ..... | ..... | ..... | ..... |
| 8 | 400 | 3 50 | 1 00 | 10 | 10 | 10 | 12 | 11 | 1 | ..... | ..... | ..... |

TIME AND WAGES.

Clothing—Continued.

| AVERAGE DAY'S WAGES FOR | HOURS OF LABOR. | | | No. of months employed in each establishment. | TIME EMP MON | |
|-------------------------|--------------------|-------------|--------------|---|--------------|---------|
| Skilled Mechan'cs | Ordinary Laborers. | May to Nov. | Nov. to May. | Yearly Average. | Full time. | % time. |
| 600 | \$2 00 | \$1 00 | 10 | 10 | 12 | 12 |
| 175 | 2 00 | 1 00 | 12 | 11 | 12 | 12 |
| 100 | 3 00 | 1 00 | 9 | 10 | 12 | 6 |
| 30 | 3 00 | 1 00 | 10 | 8 | 10 | 10 |
| 100 | 3 00 | 1 50 | 10 | 10 | 12 | 12 |
| 240 | 3 00 | 2 00 | 8 | 8 | 12 | 12 |
| 75 | 2 00 | 1 00 | 10 | 10 | 12 | 12 |
| 50 | 3 00 | 1 50 | 10 | 8 | 12 | 6 |
| 400 | 3 00 | 1 00 | 10 | 10 | 12 | 8 |
| 150 | 4 50 | 1 00 | 10 | 8 | 12 | 12 |
| 70 | 4 50 | 2 50 | 10 | 9 | 12 | 12 |
| 160 | 2 00 | 1 00 | 10 | 10 | 12 | 12 |
| 150 | 2 50 | 1 00 | 10 | 10 | 12 | 12 |
| 122 | 3 50 | 1 00 | 10 | 9 | 12 | 12 |
| 75 | 2 50 | 1 25 | 10 | 10 | 10 | 10 |
| 50 | 2 50 | 1 00 | 10 | 10 | 12 | 12 |
| 54 | 2 50 | 1 00 | 10 | 10 | 12 | 12 |
| 140 | 1 00 | 75 | 9 | 9 | 6 | 6 |
| 10 | 2 00 | 1 50 | 10 | 10 | 12 | 12 |
| 30 | 2 50 | 1 00 | 10 | 10 | 6 | 6 |
| 20 | 2 50 | 1 50 | 10 | 10 | 12 | 6 |
| 36 | 2 50 | 1 00 | 10 | 10 | 12 | 12 |
| 100 | 2 75 | 1 00 | 10 | 10 | 12 | 12 |
| 90 | 3 00 | 2 00 | 10 | 10 | 12 | 12 |
| 40 | 3 00 | 1 00 | 12 | 12 | 12 | 12 |
| 30 | 3 00 | 1 50 | 10 | 10 | 12 | 12 |
| 25 | 3 00 | 2 00 | 10 | 10 | 9 | 9 |
| 12 | 3 00 | 1 00 | 10 | 10 | 12 | 12 |
| 58 | 3 00 | 2 00 | 12 | 10 | 12 | 12 |
| 11 | 3 00 | 1 75 | 10 | 10 | 12 | 12 |
| 33 | 3 00 | 1 75 | 10 | 10 | 12 | 12 |
| 15 | 1 75 | 1 50 | 10 | 10 | 12 | 12 |
| 13 | 1 75 | 1 25 | 10 | 10 | 12 | 12 |
| 15 | 1 50 | 1 00 | 10 | 10 | 12 | 12 |
| 15 | 1 50 | 1 50 | 10 | 10 | 12 | 8 |
| 20 | 1 50 | 1 50 | 10 | 10 | 12 | 12 |
| 20 | 1 50 | 1 00 | 10 | 10 | 12 | 8 |
| 15 | 1 50 | 2 00 | 10 | 10 | 12 | 12 |
| 20 | 1 50 | 2 00 | 10 | 10 | 12 | 12 |
| 7 | 1 75 | 2 00 | 10 | 10 | 12 | 12 |
| 20 | 1 50 | 2 00 | 10 | 10 | 12 | 12 |
| 34 | 1 00 | 2 00 | 10 | 10 | 12 | 12 |
| 25 | 1 00 | 2 00 | 10 | 10 | 12 | 10 |
| 80 | 3 00 | 2 00 | 10 | 10 | 12 | 12 |
| 35 | 3 00 | 2 00 | 10 | 10 | 12 | 8 |
| 20 | 3 00 | 2 00 | 8 | 8 | 12 | 8 |
| 15 | 3 00 | 2 00 | 10 | 10 | 12 | 8 |
| 20 | 3 25 | 2 00 | 11 | 11 | 12 | 12 |
| 20 | 3 00 | 1 00 | 10 | 9 | 12 | 9 |
| 58 | 3 00 | 1 00 | 9 | 9 | 12 | 8 |
| 250 | 3 00 | 1 00 | 9 | 9 | 12 | 12 |
| 200 | 3 00 | 75 | 9 | 9 | 12 | 12 |
| 300 | 1 00 | 75 | 9 | 9 | 12 | 12 |
| 250 | 1 00 | 75 | 9 | 9 | 12 | 12 |
| 84 | 1 00 | 1 00 | 10 | 10 | 12 | 12 |
| 60 | 1 75 | 1 25 | 10 | 10 | 12 | 12 |
| 40 | 5 00 | 1 00 | 9 | 9 | 12 | 8 |
| 47 | 5 00 | 1 00 | 9 | 9 | 12 | 8 |
| 40 | 1 25 | 1 00 | 9 | 9 | 12 | 12 |
| 17 | 2 50 | 1 33 | 10 | 10 | 12 | 12 |
| 25 | 3 33 | 1 00 | 10 | 10 | 12 | 12 |
| 30 | 3 50 | 1 00 | 10 | 10 | 12 | 12 |
| 31 | 1 25 | 1 00 | 9 | 9 | 12 | 12 |
| 30 | 1 25 | 1 00 | 9 | 9 | 12 | 12 |
| 22 | 2 50 | 1 00 | 9 | 9 | 12 | 12 |
| 23 | 2 50 | 1 00 | 9 | 9 | 12 | 12 |

Clothing—Continued.

| Number of establishment.. | Average number of employees..... | AVERAGE DAY'S WAGES FOR | | HOURS OF LABOR. | | | No. of months employed in each establishment..... | TIME EMPLOYED, IN MONTHS. | | | | |
|---------------------------|----------------------------------|-------------------------|--------------------|-----------------|--------------|-----------------|---|---------------------------|---------------------|---------------------|---------------------|-----------|
| | | Skilled Mechanics | Ordinary Laborers. | May to Nov. | Nov. to May. | Yearly Average. | | Full time. | $\frac{3}{4}$ time. | $\frac{1}{2}$ time. | $\frac{1}{4}$ time. | Idle..... |
| 73 | 36 | \$1 75 | \$1 00 | 9 | 9 | 9 | 12 | 12 | | | | 2 |
| 74 | 11 | 4 00 | 2 00 | 10 | 10 | 10 | 10 | 10 | | | | |
| 75 | 20 | 2 50 | 1 25 | 10 | 10 | 10 | 12 | 12 | | | | |
| 76 | 260 | 1 33 | 87 | 10 | 10 | 10 | 12 | 10 | | | | |
| 77 | 100 | 1 50 | 75 | 9 | 9 | 9 | 12 | 8 | 2 | | | |
| 78 | 70 | | 1 25 | 9 | 9 | 9 | 9 | 7 | 2 | | | |
| 79 | 17 | 1 00 | | 10 | 10 | 10 | 12 | 8 | 2 | | | |
| 80 | 250 | 2 00 | 90 | 9 | 9 | 9 | 12 | 7 | 2 | 1 | | |
| 81 | 107 | 50 | | 10 | 10 | 10 | 12 | 12 | | | | |
| 82 | 110 | 1 25 | | 9 | 9 | 9 | 10 | 10 | | | | |
| 83 | 58 | 2 50 | 1 00 | 9 | 9 | 9 | 12 | 10 | | | | |
| 84 | 128 | 1 75 | 1 00 | 10 | 9 | 9½ | 11 | 12 | | | | |
| 85 | 137 | 1 00 | | 10 | 11 | 10½ | 12 | 11 | 4 | | | 1 |
| 86 | 72 | 3 00 | 1 00 | 10 | 8 | 9 | 12 | 6 | 3 | 2 | | |
| 87 | 119 | 1 25 | 1 00 | 9 | 10 | 9½ | 10 | 6 | | | | |
| 88 | 250 | | 1 25 | 9 | 9 | 9 | 12 | 10 | | | | 2 |
| 89 | 21 | 1 30 | 60 | 9 | 9 | 9 | 12 | 12 | | | | |
| 90 | 38 | 1 33 | 83 | 9 | 9 | 9 | 12 | 12 | | | | |
| 91 | 45 | 1 50 | | 10 | 10 | 10 | 12 | 12 | | | | |
| 92 | 39 | 1 75 | 1 00 | 9 | 9 | 9 | 11 | 9 | 2 | | | 1 |
| 93 | 110 | 85 | 48 | 9 | 9 | 9 | 12 | 12 | | | | |
| 94 | 32 | 2 00 | 1 00 | 9 | 9 | 9 | 12 | 12 | | | | |
| 95 | 33 | 83 | 50 | 9½ | 8½ | 9 | 12 | 12 | | | | |
| 96 | 23 | 2 40 | | 10 | 10 | 10 | 8 | 8 | | | | 4 |
| 97 | 29 | 2 25 | 1 50 | 10 | 10 | 10 | 9 | 9 | | 3 | | |
| 98 | 94 | 2 00 | 1 75 | 11 | 9 | 10 | 12 | 9 | | | | 3 |
| 99 | 14 | 1 75 | 1 00 | 10 | 10 | 10 | 12 | 12 | | | | |
| 100 | 24 | 1 75 | 1 00 | 10 | 10 | 10 | 12 | 12 | | | | |
| 101 | 10 | 2 50 | 2 00 | 10 | 10 | 10 | 12 | 12 | | | | |
| 102 | 50 | 1 50 | 1 25 | 10 | 10 | 10 | 12 | 12 | | | | |
| 103 | 38 | 3 00 | 1 00 | 10 | 10 | 10 | 12 | 10 | | | 2 | |
| 104 | 34 | 2 67 | 1 25 | 10 | 10 | 10 | 12 | 12 | | | | |
| 105 | 14 | 4 00 | 1 00 | 10 | 10 | 10 | 12 | 12 | | | | |
| 106 | 15 | 2 00 | 1 00 | 10 | 12 | 11 | 12 | 12 | | | | |
| 107 | 20 | 3 00 | 1 00 | 10 | 10 | 10 | 12 | 12 | | | | |
| 108 | 16 | 2 50 | 1 00 | 10 | 10 | 10 | 12 | 8 | | | 4 | |
| 109 | 15 | 2 00 | 1 00 | 10 | 10 | 10 | 12 | 12 | | | | |
| 110 | 100 | 2 50 | 50 | 10 | 10 | 10 | 12 | 12 | | | | |
| 111 | 35 | 75 | | 10 | 8 | 9 | 10 | 10 | | | | 2 |
| 112 | 14 | 3 50 | 75 | 10 | 10 | 10 | 12 | 12 | | | | |
| 113 | 100 | 2 00 | 75 | 10 | 9 | 9½ | 12 | 12 | | | | |
| 114 | 132 | 1 75 | 1 00 | 10 | 10 | 10 | 9 | 8 | 4 | | | |
| 115 | 39 | 2 50 | | 10 | 10 | 10 | 12 | 9 | | | | 3 |
| 116 | 10 | 2 00 | | 10 | 10 | 10 | 12 | 10 | 2 | | | |
| 117 | 18 | 3 50 | 1 25 | 9 | 9 | 9 | 12 | 12 | | | | |
| 118 | 10 | 6 00 | 2 00 | 10 | 10 | 10 | 12 | 10 | | | | |
| 119 | 26 | 3 00 | 1 00 | 10 | 10 | 10 | 11 | 12 | 1 | | | 1 |
| 120 | 29 | 3 00 | 1 50 | 10 | 10 | 10 | 12 | 12 | | | | |

COOKING AND HEATING APPARATUS.

| | | | | | | | | | | | | | |
|----|-----|--------|--------|----|----|----|----|----|--|--|--|--|---|
| 1 | 85 | \$3 65 | \$1 30 | 10 | 10 | 10 | 10 | 10 | | | | | 2 |
| 2 | 115 | 3 50 | 1 50 | 10 | 9 | 9½ | 10 | 10 | | | | | |
| 3 | 48 | 3 40 | 1 50 | 10 | 10 | 10 | 10 | 10 | | | | | |
| 4 | 35 | 3 65 | 1 55 | 10 | 10 | 10 | 11 | 11 | | | | | |
| 5 | 130 | 2 75 | 1 50 | 10 | 8 | 9 | 12 | 12 | | | | | |
| 6 | 125 | 3 00 | 1 50 | 10 | 9 | 9½ | 11 | 11 | | | | | 1 |
| 7 | 30 | 2 75 | 1 50 | 10 | 10 | 10 | 12 | 12 | | | | | |
| 8 | 10 | 2 50 | 2 00 | 10 | 10 | 10 | 12 | 12 | | | | | |
| 9 | 90 | 2 30 | 1 30 | 10 | 10 | 10 | 11 | 11 | | | | | 1 |
| 10 | 95 | 2 50 | 2 00 | 10 | 10 | 10 | 12 | 12 | | | | | |

Cooking and Heating Apparatus—Continued.

| Number of establishment. | Average number of employees. | AVERAGE DAY'S WAGES FOR | | HOURS OF LABOR. | | | No of months employed in each establishment. | TIME EMPLOYED, IN MONTHS. | | | | |
|--------------------------|------------------------------|-------------------------|--------------------|-----------------|--------------|-----------------|--|---------------------------|---------------------|---------------------|---------------------|-----------|
| | | Skilled Mechanics | Ordinary Laborers. | May to Nov. | Nov. to May. | Yearly Average. | | Full time. | $\frac{3}{4}$ time. | $\frac{1}{2}$ time. | $\frac{1}{4}$ time. | Idle..... |
| 11 | 14 | \$2 50 | \$1 50 | 10 | 10 | 10 | 12 | 12 | ..... | ..... | ..... | ..... |
| 12 | 60 | 2 50 | 1 00 | 10 | 10 | 10 | 12 | 12 | ..... | ..... | ..... | ..... |
| 13 | 24 | 2 50 | 1 50 | 10 | 10 | 10 | 12 | 12 | ..... | ..... | ..... | ..... |
| 14 | 12 | 2 00 | 1 25 | 10 | 8 | 9 | 12 | 8 | 4 | ..... | ..... | ..... |
| 15 | 30 | 2 00 | 1 00 | 10 | 10 | 10 | 12 | 12 | ..... | ..... | ..... | ..... |
| 16 | 16 | 2 50 | 1 00 | 10 | 10 | 10 | 12 | 12 | ..... | ..... | ..... | ..... |
| 17 | 30 | 3 00 | 1 50 | 10 | 10 | 10 | 9 | 9 | ..... | ..... | ..... | 3 |
| 18 | 83 | 3 50 | 1 50 | 10 | 10 | 10 | 11 | 11 | ..... | ..... | ..... | 1 |
| 19 | 41 | 2 50 | 1 50 | 10 | 10 | 10 | 10 | 10 | ..... | ..... | ..... | 2 |
| 20 | 46 | 4 00 | 1 50 | 10 | 10 | 10 | 12 | 12 | ..... | ..... | ..... | ..... |

CURED AND PACKED MEATS.

| | | | | | | | | | | | | |
|----|-------|--------|--------|----|----|-----|----|----|-------|-------|-------|-------|
| 1 | 30 | \$1 50 | \$1 25 | 10 | 10 | 10 | 6 | 6 | ..... | ..... | ..... | 6 |
| 2 | 21 | 2 00 | 1 25 | 10 | 10 | 10 | 6 | 6 | ..... | ..... | ..... | 6 |
| 3 | 45 | 2 60 | 1 60 | 10 | 10 | 10 | 12 | 12 | ..... | ..... | ..... | ..... |
| 4 | 15 | 2 25 | 1 25 | 10 | 10 | 10 | 12 | 12 | ..... | ..... | ..... | ..... |
| 5 | 8 | 2 75 | 2 00 | 10 | 10 | 10 | 12 | 12 | ..... | ..... | ..... | ..... |
| 6 | 28 | 2 50 | 1 75 | 10 | 10 | 10 | 12 | 12 | ..... | ..... | ..... | ..... |
| 7 | 12 | 2 50 | 1 50 | 10 | 10 | 10 | 12 | 12 | ..... | ..... | ..... | ..... |
| 8 | 10 | 2 25 | 1 75 | 12 | 10 | 11 | 12 | 12 | ..... | ..... | ..... | ..... |
| 9 | 15 | 3 00 | 1 50 | 10 | 10 | 10 | 12 | 12 | ..... | ..... | ..... | ..... |
| 10 | 125 | 2 50 | 1 75 | 10 | 10 | 10 | 8 | 4 | ..... | 4 | ..... | 4 |
| 11 | 140 | 3 00 | 1 60 | 10 | 10 | 10 | 6 | 6 | ..... | ..... | ..... | 6 |
| 12 | 62 | 2 50 | 1 50 | 10 | 10 | 10 | 12 | 12 | ..... | ..... | ..... | ..... |
| 13 | 64 | 4 00 | 1 75 | 10 | 10 | 10 | 12 | 12 | ..... | ..... | ..... | ..... |
| 14 | 175 | 2 50 | 1 75 | 10 | 10 | 10 | 8 | 8 | ..... | ..... | ..... | 4 |
| 15 | 50 | 2 25 | 1 62 | 10 | 10 | 10 | 12 | 12 | ..... | ..... | ..... | ..... |
| 16 | 170 | 2 75 | 1 50 | 10 | 10 | 10 | 5 | 5 | ..... | ..... | ..... | 7 |
| 17 | 83 | 2 75 | 1 75 | 10 | 10 | 10 | 6 | 4 | 1 | ..... | 1 | 6 |
| 18 | 39 | 3 00 | 1 75 | 10 | 10 | 10 | 7 | 7 | ..... | ..... | ..... | 5 |
| 19 | 50 | 3 00 | 1 50 | 10 | 10 | 10 | 2 | 2 | ..... | ..... | ..... | 10 |
| 20 | 40 | 2 50 | 1 75 | 10 | 10 | 10 | 4 | 4 | ..... | ..... | ..... | 8 |
| 21 | 12 | 3 25 | 2 50 | 10 | 10 | 10 | 6 | 6 | ..... | ..... | ..... | 6 |
| 22 | 850 | 2 50 | 1 60 | 10 | 10 | 10 | 12 | 12 | ..... | ..... | ..... | ..... |
| 23 | 300 | 3 00 | 1 75 | 10 | 10 | 10 | 12 | 12 | ..... | ..... | ..... | ..... |
| 24 | 70 | 3 00 | 1 75 | 10 | 10 | 10 | 11 | 11 | ..... | ..... | ..... | 1 |
| 25 | 60 | 3 00 | 1 75 | 10 | 10 | 10 | 10 | 6 | 1 | ..... | 3 | 2 |
| 26 | 50 | 2 50 | 1 75 | 10 | 10 | 10 | 11 | 9 | ..... | ..... | 2 | 1 |
| 27 | 900 | 3 00 | 1 50 | 10 | 10 | 10 | 12 | 12 | ..... | ..... | ..... | ..... |
| 28 | 350 | 2 00 | 1 50 | 10 | 10 | 10 | 10 | 6 | 2 | ..... | 2 | 2 |
| 29 | 20 | 2 50 | 1 50 | 10 | 10 | 10 | 10 | 8 | ..... | ..... | 2 | 2 |
| 30 | 45 | 2 00 | 1 50 | 10 | 10 | 10 | 9 | 9 | ..... | ..... | ..... | 3 |
| 31 | 80 | 2 00 | 1 25 | 10 | 10 | 10 | 12 | 9 | ..... | 3 | ..... | ..... |
| 32 | 56 | 3 00 | 1 50 | 10 | 10 | 10 | 12 | 12 | ..... | ..... | ..... | ..... |
| 33 | 70 | 2 75 | 1 60 | 10 | 10 | 10 | 12 | 10 | 1 | ..... | 1 | ..... |
| 34 | 20 | 2 00 | ..... | 10 | 10 | 10 | 7 | 7 | ..... | ..... | ..... | 5 |
| 35 | 12 | 2 00 | ..... | 10 | 10 | 10 | 12 | 12 | ..... | ..... | ..... | ..... |
| 36 | 8 | 2 25 | ..... | 12 | 11 | 11½ | 12 | 12 | ..... | ..... | ..... | ..... |
| 37 | 40 | 1 75 | 1 50 | 10 | 10 | 10 | 12 | 12 | ..... | ..... | ..... | ..... |
| 38 | 25 | 2 50 | 1 75 | 10 | 10 | 10 | 12 | 12 | ..... | ..... | ..... | ..... |
| 39 | 20 | 2 00 | 1 50 | 10 | 10 | 10 | 12 | 12 | ..... | ..... | ..... | ..... |
| 40 | 1,525 | 3 00 | 1 50 | 10 | 10 | 10 | 11 | 10 | ..... | 1 | ..... | 1 |
| 41 | 850 | 2 25 | 1 75 | 10 | 10 | 10 | 10 | 8 | 1 | ..... | 1 | 2 |
| 42 | 175 | 2 50 | 1 75 | 10 | 10 | 10 | 10 | 10 | ..... | ..... | ..... | 2 |
| 43 | 300 | 2 75 | 1 75 | 10 | 10 | 10 | 8 | 8 | ..... | ..... | ..... | 4 |
| 44 | 240 | 3 25 | 1 75 | 10 | 10 | 10 | 12 | 12 | ..... | ..... | ..... | ..... |
| 45 | 85 | 2 62 | 1 75 | 10 | 10 | 10 | 9 | 9 | ..... | ..... | ..... | 3 |
| 46 | 66 | 2 25 | 1 25 | 10 | 12 | 11 | 8 | 4 | ..... | 4 | ..... | 4 |
| 47 | 40 | 2 00 | 1 25 | 10 | 10 | 10 | 4 | 4 | ..... | ..... | ..... | 8 |
| 48 | 6 | 2 00 | 1 50 | 12 | 12 | 12 | 12 | 12 | ..... | ..... | ..... | ..... |
| 49 | 175 | 2 00 | 1 00 | 10 | 10 | 10 | 4 | 4 | ..... | ..... | ..... | 8 |
| 50 | 20 | 2 00 | 1 50 | 10 | 10 | 10 | 10 | 4 | ..... | 6 | ..... | 2 |

Cured and Packed Meats—Continued.

| Number of es- tablishment.... | Average num- ber of em- ployees..... | AVERAGE DAY'S WAGES FOR | | HOURS OF LABOR. | | | No. of months employed in each es- tablishment..... | TIME EMPLOYED, IN MONTHS. | | | | | Idle..... |
|----------------------------------|--|----------------------------|-----------------------|-------------------|--------------------|-------------------------|--|------------------------------|------------|------------|------------|------------|-----------|
| | | Skilled Mechanics | Ordinary Laborers. | May to Nov. | Nov. to May. | Yearly Aver- age. | | Full time. | % time. | % time. | % time. | % time. | |
| 51 | 1,165 | \$2 50 | \$1 50 | 10 | 10 | 10 | 10 | 10 | ..... | ..... | ..... | ..... | ..... |
| 52 | 375 | 2 50 | 1 50 | 10 | 10 | 10 | 10 | 10 | ..... | ..... | ..... | ..... | ..... |
| 53 | 1,000 | 2 50 | 1 50 | 10 | 10 | 10 | 4 | 10 | ..... | ..... | ..... | ..... | ..... |
| 54 | 20 | 2 00 | 1 25 | 12 | 12 | 12 | 12 | 8 | 4 | ..... | ..... | ..... | ..... |

DRUGS AND MEDICINES.

| | | | | | | | | | | | | | |
|---|-----|--------|--------|----|----|----|----|----|-------|-------|-------|-------|-------|
| 1 | 100 | \$3 00 | \$2 00 | 12 | 12 | 12 | 12 | 12 | ..... | ..... | ..... | ..... | ..... |
| 2 | 30 | 2 50 | 1 00 | 10 | 10 | 10 | 12 | 12 | ..... | ..... | ..... | ..... | ..... |
| 3 | 18 | 2 50 | 1 25 | 10 | 10 | 10 | 12 | 12 | ..... | ..... | ..... | ..... | ..... |
| 4 | 33 | 1 75 | 1 00 | 10 | 9 | 9½ | 12 | 12 | ..... | ..... | ..... | ..... | ..... |
| 5 | 17 | 1 25 | 1 00 | 10 | 10 | 10 | 12 | 12 | ..... | ..... | ..... | ..... | ..... |
| 6 | 23 | 2 50 | 1 05 | 10 | 10 | 10 | 12 | 12 | ..... | ..... | ..... | ..... | ..... |
| 7 | 12 | 5 00 | 2 00 | 10 | 10 | 10 | 12 | 8 | 2 | ..... | 2 | ..... | ..... |
| 8 | 8 | 2 00 | ..... | 10 | 10 | 10 | 12 | 12 | ..... | ..... | ..... | ..... | ..... |
| 9 | 40 | 2 50 | 1 50 | 10 | 10 | 10 | 12 | 12 | ..... | ..... | ..... | ..... | ..... |

FLOUR AND MEAL.

| | | | | | | | | | | | | | |
|----|----|--------|--------|----|----|----|----|-------|-------|-------|-------|-------|-------|
| 1 | 10 | \$1 00 | \$1 50 | 12 | 12 | 12 | 12 | 12 | ..... | ..... | ..... | ..... | ..... |
| 2 | 12 | 3 00 | 1 50 | 12 | 12 | 12 | 11 | 6 | ..... | ..... | 5 | ..... | 1 |
| 3 | 10 | 2 00 | 1 50 | 12 | 12 | 12 | 12 | 12 | ..... | ..... | ..... | ..... | ..... |
| 4 | 13 | 2 50 | 1 50 | 12 | 12 | 12 | 12 | 6 | 2 | ..... | 4 | ..... | ..... |
| 5 | 18 | 4 00 | 1 75 | 11 | 11 | 11 | 12 | 12 | ..... | ..... | ..... | ..... | ..... |
| 6 | 9 | 3 50 | 1 50 | 12 | 12 | 12 | 12 | 5 | 1 | ..... | 6 | ..... | ..... |
| 7 | 14 | 3 00 | 1 25 | 12 | 12 | 12 | 12 | 12 | ..... | ..... | ..... | ..... | ..... |
| 8 | 10 | 3 00 | 1 25 | 12 | 12 | 12 | 12 | 9 | 3 | ..... | ..... | ..... | ..... |
| 9 | 20 | 3 00 | 1 75 | 10 | 10 | 10 | 12 | 12 | ..... | ..... | ..... | ..... | ..... |
| 10 | 10 | 3 00 | 1 75 | 10 | 10 | 10 | 12 | 12 | ..... | ..... | ..... | ..... | ..... |
| 11 | 39 | 3 00 | 1 25 | 10 | 10 | 10 | 11 | 11 | ..... | ..... | ..... | 1 | ..... |
| 12 | 10 | 2 00 | 1 00 | 10 | 10 | 10 | 12 | 12 | ..... | ..... | ..... | ..... | ..... |
| 13 | 20 | 2 25 | 1 00 | 12 | 12 | 12 | 12 | 12 | ..... | ..... | ..... | ..... | ..... |
| 14 | 24 | 3 00 | 1 25 | 10 | 10 | 10 | 12 | 12 | ..... | ..... | ..... | ..... | ..... |
| 15 | 26 | 3 00 | 1 00 | 12 | 12 | 12 | 11 | 9 | ..... | ..... | 2 | ..... | 1 |
| 16 | 25 | 3 00 | 1 25 | 12 | 12 | 12 | 11 | 9 | ..... | ..... | ..... | ..... | ..... |
| 17 | 28 | 3 00 | 1 35 | 12 | 12 | 12 | 11 | 9 | ..... | ..... | 3 | ..... | 1 |
| 18 | 14 | 2 00 | 1 00 | 12 | 12 | 12 | 12 | 4 | 2 | ..... | 6 | ..... | ..... |
| 19 | 24 | 2 50 | 1 66 | 12 | 12 | 12 | 12 | 12 | ..... | ..... | ..... | ..... | ..... |
| 20 | 18 | 2 00 | 1 50 | 10 | 10 | 10 | 12 | 9 | ..... | ..... | 3 | ..... | ..... |
| 21 | 9 | 2 50 | 1 50 | 10 | 10 | 10 | 12 | 12 | ..... | ..... | ..... | ..... | ..... |
| 22 | 35 | 2 55 | 1 60 | 10 | 10 | 10 | 12 | ..... | ..... | ..... | 12 | ..... | ..... |
| 23 | 28 | 2 70 | 1 50 | 10 | 10 | 10 | 6 | 6 | ..... | ..... | ..... | 6 | ..... |
| 24 | 6 | 2 00 | 1 50 | 12 | 12 | 12 | 12 | 12 | ..... | ..... | ..... | ..... | ..... |
| 25 | 21 | 3 00 | 1 75 | 10 | 10 | 10 | 12 | 12 | ..... | ..... | ..... | ..... | ..... |
| 26 | 16 | 2 75 | 1 75 | 10 | 10 | 10 | 12 | 12 | ..... | ..... | ..... | ..... | ..... |
| 27 | 8 | 1 50 | 1 25 | 12 | 12 | 12 | 12 | 6 | ..... | ..... | 6 | ..... | ..... |
| 28 | 15 | 2 50 | 1 25 | 12 | 12 | 12 | 8 | 8 | ..... | ..... | ..... | 4 | ..... |
| 29 | 25 | 4 00 | 1 00 | 12 | 12 | 12 | 12 | 8 | 4 | ..... | ..... | ..... | ..... |
| 30 | 8 | 3 50 | 1 50 | 12 | 12 | 12 | 9 | 8 | ..... | ..... | 1 | ..... | 3 |
| 31 | 15 | 2 50 | 1 25 | 10 | 10 | 10 | 12 | 12 | ..... | ..... | ..... | ..... | ..... |
| 32 | 7 | 2 50 | 1 25 | 10 | 10 | 10 | 12 | 12 | ..... | ..... | ..... | ..... | ..... |
| 33 | 12 | 2 00 | 1 50 | 10 | 10 | 10 | 12 | 12 | ..... | ..... | ..... | ..... | ..... |
| 34 | 4 | 1 85 | 1 40 | 10 | 10 | 10 | 12 | 12 | ..... | ..... | ..... | ..... | ..... |
| 35 | 25 | 2 50 | 1 50 | 10 | 10 | 10 | 9 | 9 | ..... | ..... | ..... | 3 | ..... |
| 36 | 45 | 4 00 | 1 60 | 12 | 12 | 12 | 9 | 9 | ..... | ..... | ..... | 3 | ..... |
| 37 | 18 | 4 00 | 1 00 | 10 | 10 | 10 | 12 | 6 | ..... | ..... | 6 | ..... | ..... |
| 38 | 20 | 2 50 | 1 50 | 12 | 12 | 12 | 11 | 11 | ..... | ..... | ..... | 1 | ..... |
| 39 | 21 | 2 50 | 1 50 | 12 | 12 | 12 | 11 | 11 | ..... | ..... | ..... | 1 | ..... |
| 40 | 15 | 2 00 | 1 25 | 12 | 12 | 12 | 12 | 12 | ..... | ..... | ..... | ..... | ..... |

Flour and Meal—Continued.

| Number of establishment. | Average number of employees. | AVERAGE DAY'S WAGES FOR | | HOURS OF LABOR. | | | No. of months employed in each establishment. | TIME EMPLOYED, IN MONTHS. | | | | |
|--------------------------|------------------------------|-------------------------|--------------------|-----------------|--------------|-----------------|---|---------------------------|-----------|-----------|-----------|-------|
| | | Skilled Mechan's | Ordinary Laborers. | May to Nov. | Nov. to May. | Yearly Average. | | Full time. | 3/4 time. | 1/2 time. | 1/4 time. | Idle. |
| 41 | 3 | \$2 60 | \$1 50 | 10 | 10 | 10 | 12 | 12 | | | | 1 |
| 42 | 13 | 3 50 | 1 12 | 12 | 10 | 11 | 10 | 4 | | | 4 | 2 |
| 43 | 12 | 2 65 | 1 50 | 12 | 12 | 12 | 8 | 4 | | | 4 | 4 |
| 44 | 18 | 5 00 | 2 00 | 12 | 12 | 12 | 12 | 12 | | | | |
| 45 | 24 | 4 00 | 1 50 | 10 | 10 | 10 | 12 | 10 | | 2 | | |
| 46 | 30 | 4 00 | 1 50 | 12 | 12 | 12 | 10 | 10 | | | | 2 |
| 47 | 35 | 3 00 | 1 50 | 12 | 12 | 12 | 12 | 12 | | | | |
| 48 | 20 | 3 00 | 1 50 | 12 | 12 | 12 | 8 | 8 | | | | 4 |
| 49 | 40 | 2 50 | 1 50 | 12 | 12 | 12 | 10 | 10 | | | | 2 |
| 50 | 12 | 3 00 | 1 25 | 12 | 12 | 12 | 12 | 6 | | 6 | | |
| 51 | 11 | 3 00 | 1 25 | 12 | 12 | 12 | 10 | 5 | 2 | 3 | | 2 |
| 52 | 18 | 5 00 | 1 25 | 10 | 10 | 10 | 10 | 6 | | 4 | | 2 |
| 53 | 20 | 5 00 | 1 25 | 10 | 10 | 10 | 11 | 11 | | | | 1 |
| 54 | 44 | 2 47 | 1 33 | 10 | 10 | 10 | 10 | 10 | | | | 2 |
| 55 | 12 | 3 00 | 1 50 | 12 | 12 | 12 | 12 | 9 | 3 | | | |
| 56 | 27 | 2 80 | 1 50 | 10 | 10 | 10 | 12 | 12 | | | | |
| 57 | 9 | 2 50 | 1 50 | 12 | 12 | 12 | 12 | 12 | | | | |
| 58 | 10 | 3 00 | 1 50 | 12 | 12 | 12 | 7 | 7 | | | | 5 |
| 59 | 16 | 2 00 | 1 00 | 11 | 11 | 11 | 12 | 9 | | 3 | | |
| 60 | 26 | 3 00 | 1 25 | 12 | 12 | 12 | 12 | 12 | | | | |
| 61 | 22 | 3 50 | 1 40 | 12 | 12 | 12 | 10 | 10 | | | | 2 |
| 62 | 11 | 2 50 | 1 25 | 12 | 12 | 12 | 12 | 12 | | | | |
| 63 | 16 | 2 50 | 1 25 | 12 | 12 | 12 | 12 | 12 | | | | |
| 64 | 11 | 3 00 | 1 50 | 12 | 12 | 12 | 12 | 12 | | | | |
| 65 | 11 | 2 30 | 1 40 | 12 | 12 | 12 | 11 | 11 | | | | 1 |
| 66 | 12 | 2 50 | 1 15 | 12 | 12 | 12 | 12 | 12 | | | | |
| 67 | 12 | 2 50 | 1 40 | 12 | 12 | 12 | 11 | 11 | | | | 1 |
| 68 | 18 | 3 00 | 1 35 | 12 | 12 | 12 | 12 | 12 | | | | |
| 69 | 30 | 3 10 | 1 50 | 10 | 10 | 10 | 8 | 8 | | | | 4 |
| 70 | 50 | 3 50 | 1 35 | 10 | 10 | 10 | 11 | 11 | | | | 1 |
| 71 | 19 | 3 00 | 1 25 | 12 | 12 | 12 | 11 | 11 | | | | 1 |
| 72 | 45 | 3 00 | 1 50 | 12 | 12 | 12 | 11 | 8 | 3 | | | 1 |
| 73 | 25 | 3 00 | 1 50 | 12 | 12 | 12 | 12 | 12 | | | | |
| 74 | 14 | 2 50 | 1 50 | 12 | 12 | 12 | 10 | 10 | | | | 2 |
| 75 | 13 | 2 50 | 1 25 | 12 | 12 | 12 | 10 | 10 | | | | 2 |
| 76 | 18 | 2 33 | 1 25 | 12 | 12 | 12 | 10 | 8 | | 2 | | 2 |
| 77 | 27 | 3 50 | 1 40 | 10 | 10 | 10 | 11 | 11 | | | | 1 |
| 78 | 14 | 2 25 | 1 25 | 10 | 10 | 10 | 11 | 11 | | | | 1 |
| 79 | 26 | 2 00 | 1 00 | 12 | 12 | 12 | 10 | 10 | | | | 2 |
| 80 | 15 | 3 00 | 1 25 | 10 | 10 | 10 | 11 | 11 | | | | 1 |
| 81 | 15 | 4 00 | 1 50 | 12 | 12 | 12 | 10 | 10 | | | | 2 |
| 82 | 20 | 2 70 | 1 35 | 12 | 11 | 11 1/2 | 12 | 9 | | 3 | | |
| 83 | 10 | 2 00 | 1 00 | 10 | 10 | 10 | 12 | 12 | | | | |
| 84 | 18 | 2 00 | 1 00 | 11 | 11 | 11 | 12 | 12 | | | | |
| 85 | 24 | 2 25 | 1 40 | 12 | 10 | 11 | 12 | 10 | | 2 | | |
| 86 | 20 | 2 50 | 1 25 | 10 | 10 | 10 | 12 | 12 | | | | |
| 87 | 7 | 2 56 | 1 50 | 12 | 12 | 12 | 10 | 10 | | | | 2 |
| 88 | 10 | 2 50 | 1 25 | 12 | 12 | 12 | 11 | 11 | | | | 1 |
| 89 | 10 | 3 85 | 1 00 | 12 | 12 | 12 | 12 | 12 | | | | |
| 90 | 30 | 2 67 | 1 40 | 10 | 10 | 10 | 11 | 11 | | | | 1 |
| 91 | 35 | 2 75 | 1 40 | 10 | 10 | 10 | 11 | 11 | | | | 1 |
| 92 | 15 | 2 50 | 1 25 | 12 | 12 | 12 | 12 | 12 | | | | |
| 93 | 13 | 3 00 | 1 25 | 12 | 12 | 12 | 12 | 12 | | | | |
| 94 | 9 | 2 50 | 1 25 | 10 | 10 | 10 | 12 | 12 | | | | |
| 95 | 50 | 2 50 | 1 25 | 12 | 12 | 12 | 12 | 12 | | | | |
| 96 | 25 | 1 75 | 1 38 | 10 | 10 | 10 | 12 | 12 | | | | |
| 97 | 14 | 2 00 | 1 50 | 10 | 10 | 10 | 9 | 9 | | | | 3 |

FOOD PREPARATIONS.

| Number of es- tablishment.. | Average num- ber of em- ployes..... | AVERAGE DAY'S WAGES FOR | | HOURS OF LABOR. | | | No. of months employed in each estab- lishment..... | TIME EMPLOYED, IN MONTHS. | | | | | |
|--------------------------------|---|----------------------------|-----------------------|-------------------|--------------------|-------------------------|--|------------------------------|---------------------|---------------------|---------------------|----------------------------------|---|
| | | Skilled Mechanics | Ordinary Laborers. | May to Nov. | Nov. to May. | Yearly Aver- age. | | Full time.. | $\frac{3}{4}$ time. | $\frac{2}{3}$ time. | $\frac{1}{2}$ time. | Less than $\frac{1}{2}$ time. | |
| 1 | 25 | \$2 00 | \$1 00 | 12 | 12 | 12 | 11 | 11 | | | | | |
| 2 | 35 | 3 00 | 1 00 | 10 | 10 | 10 | 12 | 12 | | | | | |
| 3 | 10 | 2 00 | 1 00 | 8 | 8 | 8 | 12 | 12 | | | | | |
| 4 | 175 | 2 25 | 1 50 | 10 | 10 | 10 | 12 | 12 | | | | | |
| 5 | 65 | 2 00 | 1 50 | 10 | 10 | 10 | 12 | 10 | 2 | | | | |
| 6 | 41 | 3 00 | 2 00 | 10 | 10 | 10 | 12 | 12 | | | | | |
| 7 | 14 | 2 00 | 1 00 | 10 | 10 | 10 | 12 | 12 | | | | | |
| 8 | 9 | 2 00 | | 10 | 10 | 10 | 12 | 12 | | | | | |
| 9 | 12 | 2 00 | | 12 | 12 | 12 | 12 | 12 | | | | | |
| 10 | 16 | 2 00 | 1 50 | 10 | 10 | 10 | 12 | 12 | | | | | |
| 11 | 16 | 2 50 | 1 50 | 10 | 10 | 10 | 12 | 12 | | | | | |
| 12 | 12 | 2 00 | 1 00 | 10 | 10 | 10 | 12 | 12 | | | | | |
| 13 | 10 | 2 17 | 1 00 | 12 | 10 | 11 | 12 | 12 | | | | | |
| 14 | 15 | 2 50 | 1 00 | 10 | 10 | 10 | 12 | 12 | | | | | |
| 15 | 11 | 2 00 | 1 00 | 10 | 10 | 10 | 12 | 12 | | | | | |
| 16 | 47 | 3 00 | 1 25 | 10 | 10 | 10 | 12 | 12 | | | | | |
| 17 | 35 | 2 50 | 1 00 | 12 | 12 | 12 | 12 | 12 | | | | | |
| 18 | 430 | 3 62 | 1 62 | 12 | 12 | 12 | 12 | 12 | | | | | |
| 19 | 54 | 2 50 | 1 50 | 10 | 9 | 9½ | 10 | 10 | | | | | 2 |
| 20 | 20 | 2 00 | 1 25 | 10 | 10 | 10 | 6 | 6 | | | | | 6 |
| 21 | 35 | 1 50 | 1 00 | 10 | 10 | 10 | 4 | 4 | | | | | 8 |
| 22 | 15 | 2 00 | 1 50 | 12 | 12 | 12 | 12 | 12 | | | | | |
| 23 | 32 | 2 50 | 1 00 | 10 | 10 | 10 | 12 | 12 | | | | | |
| 24 | 35 | 2 00 | 1 00 | 10 | 10 | 10 | 12 | 12 | | | | | |
| 25 | 110 | 2 00 | 1 00 | 10 | 10 | 10 | 12 | 12 | | | | | |
| 26 | 29 | 2 50 | 1 50 | 10 | 9 | 9½ | 12 | 12 | | | | | |
| 27 | 18 | 2 00 | 1 00 | 10 | 10 | 10 | 12 | 12 | | | | | |
| 28 | 12 | 2 75 | 1 50 | 10 | 10 | 9 | 12 | 12 | | | | | |
| 29 | 20 | 3 50 | 1 75 | 9 | 9 | 9 | 12 | 12 | | | | | |
| 30 | 200 | 2 50 | 1 00 | 10 | 10 | 10 | 12 | 12 | | | | | |
| 31 | 120 | 1 75 | 60 | 10 | 10 | 10 | 12 | 12 | | | | | |
| 32 | 24 | 2 50 | 1 00 | 12 | 12 | 12 | 12 | 12 | | | | | |
| 33 | 32 | 3 00 | 50 | 10 | 10 | 10 | 12 | 12 | | | | | |
| 34 | 60 | 2 00 | 90 | 10 | 10 | 10 | 12 | 12 | | | | | |
| 35 | 70 | 2 50 | 75 | 10 | 10 | 10 | 12 | 12 | | | | | |
| 36 | 13 | 3 00 | 1 00 | 10 | 10 | 10 | 12 | 12 | | | | | |
| 37 | 12 | 3 00 | 1 75 | 10 | 10 | 10 | 12 | 12 | | | | | |
| 38 | 18 | 2 50 | 1 00 | 10 | 10 | 10 | 12 | 12 | | | | | |
| 39 | 7 | 2 25 | 2 00 | 10 | 10 | 10 | 12 | 12 | | | | | |
| 40 | 125 | 3 00 | 1 00 | 10 | 10 | 10 | 12 | 12 | | | | | |
| 41 | 24 | 2 25 | 1 50 | 10 | 10 | 10 | 12 | 10 | 2 | | | | |
| 42 | 20 | 2 00 | 1 25 | 10 | 10 | 10 | 11 | 12 | | | | | 1 |
| 43 | 50 | 2 25 | 75 | 10 | 10 | 10 | 12 | 11 | | | | | |
| 44 | 17 | 2 50 | 1 00 | 10 | 9 | 9½ | 12 | 12 | | | | | |
| 45 | 40 | 2 00 | 75 | 10 | 10 | 10 | 12 | 12 | | | | | |
| 46 | 30 | 2 00 | 1 25 | 10 | 10 | 10 | 12 | 10 | | 2 | | | |
| 47 | 50 | 2 50 | 1 00 | 10 | 10 | 10 | 12 | 12 | | | | | |
| 48 | 15 | 2 00 | 1 00 | 9 | 10 | 9½ | 12 | 5 | 5 | 2 | | | |
| 49 | 211 | 2 00 | 1 25 | 10 | 10 | 10 | 3 | 3 | | | | | 3 |
| 50 | 25 | 2 50 | 1 00 | 10 | 10 | 10 | 9 | 9 | | | | | 3 |
| 51 | 15 | 2 00 | 1 00 | 10 | 10 | 10 | 12 | 12 | | | | | |
| 52 | 30 | 2 25 | 75 | 10 | 10 | 10 | 12 | 12 | | | | | |
| 53 | 29 | 2 50 | 1 50 | 10 | 10 | 10 | 12 | 12 | | | | | |
| 54 | 10 | 2 00 | 1 50 | 10 | 10 | 10 | 12 | 12 | | | | | |
| 55 | 12 | 2 50 | 1 50 | 10 | 10 | 10 | 12 | 12 | | | | | |
| 56 | 30 | 3 00 | 1 25 | 10 | 10 | 10 | 12 | 12 | | | | | |

TIME AND WAGES.

FURNITURE.

| Number of establishment. | Average num- ber of em- ployees. | AVERAGE DAY'S WAGES FOR | | HOURS OF LABOR. | | | employed in each estab- lishment. |
|-----------------------------|--|----------------------------|-----------------------|-------------------|--------------------|-------------------------|---|
| | | Skilled Mechanics | Ordinary Laborers. | May to Nov. | Nov. to May. | Yearly Aver- age. | |
| 1 | 120 | \$2 25 | \$1 35 | 10 | 10 | 10 | |
| 2 | 75 | 2 00 | 1 00 | 10 | 9 | 9½ | |
| 3 | 125 | 3 00 | 1 50 | 10 | 10 | 10 | |
| 4 | 25 | 2 00 | 1 00 | 10 | 9 | 9½ | |
| 5 | 144 | 2 50 | 1 75 | 10 | 9 | 9½ | |
| 6 | 32 | 2 45 | 1 50 | 10 | 9 | 9½ | |
| 7 | 40 | 2 00 | 1 50 | 10 | 9 | 9½ | |
| 8 | 88 | 3 00 | 1 50 | 10 | 10 | 10 | |
| 9 | 28 | 2 50 | 1 25 | 10 | 10 | 10 | |
| 10 | 72 | 2 50 | 1 50 | 9 | 8 | 9 | |
| 11 | 30 | 2 00 | 1 00 | 10 | 10 | 10 | |
| 12 | 40 | 2 25 | 1 75 | 10 | 8 | 9 | |
| 13 | 33 | 2 00 | 1 50 | 10 | 10 | 10 | |
| 14 | 100 | 2 50 | 1 00 | 10 | 8 | 9 | |
| 15 | 48 | 2 50 | 1 00 | 10 | 10 | 10 | |
| 16 | 12 | 2 25 | 2 00 | 10 | 9 | 9½ | |
| 17 | 20 | 2 50 | 1 50 | 10 | 8 | 9 | |
| 18 | 150 | 2 25 | 1 25 | 10 | 8 | 9 | |
| 19 | 24 | 2 25 | 1 75 | 10 | 10 | 10 | |
| 20 | 73 | 2 50 | 1 25 | 10 | 10 | 10 | |
| 21 | 20 | 2 50 | 1 00 | 10 | 10 | 10 | |
| 22 | 30 | 2 25 | 1 25 | 10 | 13 | 10 | |
| 23 | 33 | 2 50 | 1 50 | 10 | 10 | 10 | |
| 24 | 28 | 2 25 | 1 50 | 10 | 9 | 9½ | |
| 25 | 15 | 2 25 | 2 00 | 10 | 10 | 10 | |
| 26 | 38 | 2 75 | 2 00 | 10 | 8 | 9 | |
| 27 | 20 | 2 25 | 1 50 | 10 | 10 | 10 | |
| 28 | 30 | 2 00 | 1 00 | 10 | 9 | 9½ | |
| 29 | 106 | 2 80 | 2 00 | 10 | 9 | 9½ | |
| 30 | 50 | 2 00 | 1 00 | 10 | 9 | 9½ | |
| 31 | 64 | 2 50 | 1 00 | 10 | 10 | 10 | |
| 32 | 47 | 2 75 | 1 75 | 10 | 10 | 10 | |
| 33 | 40 | 2 50 | 1 50 | 10 | 9 | 9½ | |
| 34 | 45 | 2 00 | 1 50 | 10 | 9 | 9½ | |
| 35 | 38 | 2 50 | 1 25 | 10 | 8 | 9 | |
| 36 | 120 | 2 50 | 1 00 | 10 | 8 | 9 | |
| 37 | 60 | 2 00 | 1 75 | 10 | 10 | 10 | |
| 38 | 20 | 2 25 | 1 75 | 10 | 8 | 9 | |
| 39 | 38 | 2 50 | 1 75 | 10 | 10 | 10 | |
| 40 | 9 | 2 25 | 1 25 | 10 | 10 | 10 | |
| 41 | 32 | 2 16 | 1 37 | 10 | 10 | 10 | |
| 42 | 20 | 2 50 | 1 75 | 10 | 10 | 10 | |
| 43 | 10 | 2 75 | 1 50 | 10 | 10 | 10 | |
| 44 | 35 | 2 00 | 1 50 | 10 | 8 | 9 | |
| 45 | 47 | 2 00 | 1 63 | 10 | 8 | 9 | |
| 46 | 30 | 2 75 | 1 00 | 10 | 10 | 10 | |
| 47 | 35 | 2 00 | 1 00 | 10 | 10 | 10 | |
| 48 | 12 | 2 00 | 1 00 | 10 | 9 | 9½ | |
| 49 | 30 | 2 00 | 1 25 | 10 | 9 | 9½ | |
| 50 | 35 | 2 00 | 1 65 | 10 | 10 | 10 | |
| 51 | 8 | 2 25 | 2 00 | 10 | 10 | 10 | |
| 52 | 13 | 2 25 | 1 75 | 10 | 9 | 9½ | |
| 53 | 155 | 2 25 | 1 20 | 10 | 10 | 10 | |
| 54 | 18 | 2 00 | 1 40 | 10 | 10 | 10 | |
| 55 | 150 | 2 50 | 1 75 | 10 | 10 | 10 | |
| 56 | 32 | 2 25 | 2 00 | 10 | 10 | 10 | |
| 57 | 35 | 2 00 | 1 00 | 10 | 9 | 9½ | |
| 58 | 25 | 2 00 | 1 50 | 10 | 10 | 10 | |
| 59 | 210 | 2 00 | 1 00 | 10 | 8 | 9 | |
| 60 | 40 | 2 50 | 1 35 | 10 | 9 | 9½ | |
| 61 | 45 | 2 85 | 1 50 | 10 | 10 | 10 | |
| 62 | 48 | 2 00 | 1 00 | 10 | 10 | 10 | |
| 63 | 41 | 2 50 | 1 00 | 10 | 9 | 9½ | |
| 64 | 16 | 2 00 | 1 70 | 10 | 9 | 9½ | |
| 65 | 30 | 15 | | | | | |

Furniture—Continued.

| Number of establishments. | Average number of employees. | AVERAGE DAY'S WAGES FOR | | HOURS OF LABOR. | | | No. of months employed in each establishment. | TIME EMPLOYED, IN MONTHS. | | | | |
|---------------------------|------------------------------|-------------------------|--------------------|-----------------|--------------|-----------------|---|---------------------------|---------------------|---------------------|---------------------|-----------|
| | | Skilled Mechanics | Ordinary Laborers. | May to Nov. | Nov. to May. | Yearly Average. | | Full time. | $\frac{3}{4}$ time. | $\frac{1}{2}$ time. | $\frac{1}{4}$ time. | Idle |
| 67 | 33 | \$1 65 | \$1 35 | 10 | 9 | 9½ | 12 | 10 | 2 | 2 | ..... | ..... |
| 68 | 25 | 2 00 | 1 50 | 10 | 9 | 9½ | 12 | 10 | 2 | 2 | ..... | ..... |
| 69 | 21 | 2 00 | 1 00 | 10 | 8 | 9 | 11 | 10 | 4 | ..... | ..... | 1 |
| 70 | 14 | 1 60 | 1 17 | 10 | 10 | 10 | 12 | 12 | ..... | ..... | ..... | ..... |
| 71 | 13 | 2 00 | ..... | 10 | 10 | 10 | 12 | 12 | ..... | ..... | ..... | ..... |
| 72 | 18 | 2 00 | ..... | 10 | 10 | 10 | 12 | 12 | ..... | ..... | ..... | ..... |
| 73 | 24 | 1 75 | 1 25 | 10 | 10 | 10 | 12 | 12 | ..... | 6 | ..... | ..... |
| 74 | 11 | 2 25 | 1 50 | 10 | 10 | 10 | 12 | 12 | ..... | ..... | ..... | ..... |
| 75 | 12 | 2 00 | 1 50 | 10 | 10 | 10 | 12 | 12 | ..... | ..... | ..... | ..... |
| 76 | 34 | 2 00 | 1 25 | 10 | 10 | 10 | 12 | 12 | ..... | ..... | ..... | ..... |
| 77 | 42 | 2 50 | 1 00 | 10 | 10 | 10 | 12 | 12 | ..... | ..... | ..... | ..... |
| 78 | 25 | 1 75 | 1 00 | 10 | 10 | 10 | 12 | 12 | ..... | ..... | ..... | ..... |
| 79 | 20 | 2 50 | 1 00 | 10 | 10 | 10 | 12 | 9 | ..... | ..... | ..... | ..... |
| 80 | 36 | 2 50 | 1 50 | 10 | 8 | 9 | 11 | 8 | 5 | ..... | ..... | 1 |
| 81 | 12 | 2 00 | 1 25 | 10 | 8 | 9 | 12 | 10 | ..... | ..... | 2 | ..... |
| 82 | 275 | 2 50 | 1 50 | 10 | 8 | 9 | 12 | 9 | 5 | ..... | ..... | ..... |
| 83 | 15 | 2 00 | 1 50 | 10 | 10 | 10 | 12 | 12 | ..... | ..... | ..... | ..... |
| 84 | 52 | 2 25 | 1 25 | 10 | 10 | 10 | 12 | 12 | ..... | ..... | ..... | 1 |
| 85 | 16 | 2 00 | 1 00 | 10 | 10 | 10 | 12 | 9 | 3 | ..... | ..... | ..... |
| 86 | 22 | 2 50 | 1 50 | 10 | 9 | 9½ | 12 | 12 | ..... | ..... | ..... | ..... |
| 87 | 12 | 1 75 | ..... | 10 | 10 | 10 | 12 | 12 | ..... | ..... | ..... | ..... |
| 88 | 45 | 2 25 | 1 50 | 10 | 9 | 9½ | 12 | 12 | 2 | ..... | ..... | ..... |
| 89 | 306 | 2 25 | 1 50 | 10 | 10 | 10 | 12 | 10 | ..... | ..... | ..... | ..... |
| 90 | 25 | 2 00 | 1 00 | 10 | 10 | 10 | 9 | 9 | ..... | ..... | ..... | 3 |
| 91 | 80 | 2 00 | 1 00 | 10 | 10 | 10 | 12 | 12 | ..... | ..... | ..... | ..... |
| 92 | 56 | 1 75 | 1 00 | 10 | 9 | 9½ | 12 | 12 | ..... | ..... | ..... | ..... |
| 93 | 58 | 2 00 | 1 00 | 10 | 9 | 9½ | 11 | 11 | ..... | ..... | ..... | 1 |
| 94 | 75 | 2 25 | 1 25 | 10 | 10 | 10 | 12 | 12 | ..... | ..... | ..... | ..... |
| 95 | 140 | 1 50 | 1 00 | 10 | 8 | 9 | 12 | 12 | ..... | ..... | ..... | ..... |
| 96 | 70 | 2 25 | 1 00 | 10 | 10 | 10 | 12 | 12 | ..... | ..... | ..... | ..... |
| 97 | 90 | 2 00 | 1 00 | 10 | 10 | 10 | 12 | 12 | ..... | ..... | ..... | ..... |
| 98 | 23 | 2 25 | 1 00 | 10 | 10 | 10 | 12 | 12 | ..... | ..... | ..... | ..... |
| 99 | 21 | 2 00 | 1 75 | 10 | 10 | 10 | 12 | 12 | ..... | ..... | ..... | ..... |
| 100 | 14 | 2 25 | 1 50 | 10 | 10 | 10 | 12 | 12 | ..... | ..... | ..... | ..... |
| 101 | 10 | 2 25 | ..... | 10 | 10 | 10 | 12 | 12 | ..... | ..... | ..... | ..... |
| 102 | 20 | 2 00 | ..... | 10 | 10 | 10 | 12 | 12 | ..... | ..... | ..... | ..... |
| 103 | 30 | 2 50 | 1 25 | 10 | 10 | 10 | 12 | 12 | ..... | ..... | ..... | ..... |
| 104 | 125 | 2 50 | 1 00 | 10 | 10 | 10 | 12 | 12 | ..... | ..... | ..... | ..... |
| 105 | 38 | 2 50 | 1 25 | 10 | 8 | 9 | 12 | 10 | ..... | ..... | 2 | ..... |
| 106 | 10 | 2 00 | 1 25 | 10 | 10 | 10 | 12 | 12 | ..... | ..... | ..... | ..... |
| 107 | 125 | 2 00 | 1 50 | 10 | 8 | 9 | 12 | 8 | 4 | ..... | ..... | ..... |
| 108 | 14 | 1 75 | 1 50 | 10 | 8 | 9 | 12 | 6 | 6 | ..... | ..... | ..... |
| 109 | 30 | 2 00 | 1 25 | 10 | 10 | 10 | 12 | 12 | ..... | ..... | ..... | ..... |
| 110 | 80 | 1 75 | 1 50 | 10 | 8 | 9 | 12 | 9 | 3 | ..... | ..... | ..... |
| 111 | 65 | 2 00 | 1 25 | 10 | 9 | 9½ | 12 | 12 | ..... | ..... | ..... | ..... |
| 112 | 20 | 2 00 | ..... | 10 | 10 | 10 | 12 | 12 | ..... | ..... | ..... | ..... |
| 113 | 15 | 2 00 | ..... | 10 | 10 | 10 | 12 | 12 | ..... | ..... | ..... | ..... |
| 114 | 11 | 2 00 | 1 50 | 10 | 10 | 10 | 12 | 12 | ..... | ..... | ..... | ..... |
| 115 | 60 | 2 00 | 1 50 | 10 | 10 | 10 | 12 | 12 | ..... | ..... | ..... | ..... |
| 116 | 115 | 2 00 | 1 00 | 10 | 9 | 9½ | 12 | 12 | ..... | ..... | ..... | ..... |
| 117 | 56 | 2 25 | 1 50 | 10 | 9 | 9½ | 12 | 12 | ..... | ..... | ..... | ..... |
| 118 | 50 | 2 25 | 1 50 | 10 | 10 | 10 | 12 | 12 | ..... | ..... | ..... | ..... |

LEATHER.

| | | | | | | | | | | | | |
|---|-----|--------|--------|----|----|----|----|----|-------|-------|-------|-------|
| 1 | 10 | \$2 50 | \$1 75 | 10 | 10 | 10 | 12 | 12 | ..... | ..... | ..... | ..... |
| 2 | 9 | 2 25 | 1 00 | 10 | 10 | 10 | 12 | 12 | ..... | ..... | ..... | ..... |
| 3 | 10 | 2 00 | ..... | 10 | 10 | 10 | 12 | 12 | ..... | ..... | ..... | ..... |
| 4 | 12 | 2 00 | 1 50 | 10 | 10 | 10 | 12 | 12 | ..... | ..... | ..... | ..... |
| 5 | 145 | 2 25 | 1 17 | 10 | 10 | 10 | 12 | 12 | ..... | ..... | ..... | ..... |
| 6 | 66 | 2 25 | 75 | 10 | 10 | 10 | 12 | 12 | ..... | ..... | ..... | ..... |

Leather—Continued.

| Number of establishments. | Average number of employees. | AVERAGE DAY'S WAGES FOR | | HOURS OF LABOR. | | | No. of months employed in each establishment. | TIME EMPLOYED, IN MONTHS. | | | | |
|---------------------------|------------------------------|-------------------------|--------------------|-----------------|--------------|-----------------|---|---------------------------|---------------------|-------------------|---------------------|-------|
| | | Skilled Mechanics | Ordinary Laborers. | May to Nov. | Nov. to May. | Yearly Average. | | Full time. | $\frac{3}{4}$ time. | $\frac{1}{2}$ me. | $\frac{1}{4}$ time. | Idle. |
| 7 | 12 | \$1 75 | \$1 50 | 10 | 10 | 10 | 12 | 12 | | | | |
| 8 | 40 | 2 50 | 1 00 | 10 | 10 | 10 | 12 | 12 | | | | |
| 9 | 45 | 1 75 | 1 00 | 10 | 10 | 10 | 12 | 12 | | | | |
| 10 | 40 | 1 50 | | 10 | 10 | 10 | 12 | 12 | | | | |
| 11 | 18 | 2 00 | 1 25 | 10 | 10 | 10 | 12 | 12 | | | | |
| 12 | 167 | 2 25 | 1 75 | 10 | 9 | 9½ | 12 | 12 | | | | |
| 13 | 188 | 3 00 | 1 50 | 10 | 9 | 9½ | 12 | 12 | | | | |
| 14 | 80 | 2 50 | 1 75 | 10 | 10 | 10 | 12 | 12 | | | | |
| 15 | 35 | 2 25 | 1 75 | 10 | 9 | 9½ | 12 | 12 | | | | |
| 16 | 85 | 3 00 | 1 75 | 10 | 10 | 10 | 12 | 12 | | | | |
| 17 | 46 | 1 66 | | 10 | 10 | 10 | 12 | 12 | | | | |
| 18 | 156 | 2 00 | 1 00 | 10 | 8 | 9 | 12 | 12 | | | | |
| 19 | 56 | 2 00 | 1 50 | 10 | 10 | 10 | 12 | 12 | | | | |
| 20 | 40 | 1 75 | 1 25 | 10 | 9 | 9½ | 12 | 12 | | | | |
| 21 | 78 | 2 25 | 1 50 | 10 | 10 | 10 | 12 | 12 | | | | |
| 22 | 15 | 2 25 | 1 50 | 10 | 10 | 10 | 12 | 12 | | | | |
| 23 | 29 | 2 50 | 1 50 | 10 | 10 | 10 | 12 | 12 | | | | |
| 24 | 34 | 2 00 | 1 50 | 10 | 10 | 10 | 12 | 12 | | | | |
| 25 | 13 | 2 00 | | 10 | 10 | 10 | 12 | 12 | | | | |
| 26 | 15 | 2 25 | 1 25 | 10 | 9 | 9½ | 12 | 12 | | | | |
| 27 | 20 | 2 00 | 1 50 | 10 | 10 | 10 | 12 | 12 | | | | |
| 28 | 35 | 2 00 | 1 50 | 10 | 10 | 10 | 12 | 10 | 2 | | | |
| 29 | 83 | 2 25 | 1 75 | 10 | 9 | 9½ | 12 | 12 | | | | |
| 30 | 75 | 2 75 | 2 00 | 10 | 10 | 10 | 12 | 12 | | | | |
| 31 | 23 | 1 66 | | 10 | 10 | 10 | 12 | 12 | | | | |
| 32 | 11 | 2 00 | 1 50 | 10 | 9 | 9½ | 12 | 6 | 6 | | | |
| 33 | 15 | 2 50 | 1 25 | 10 | 10 | 10 | 12 | 12 | | | | |
| 34 | 35 | 2 50 | 1 25 | 10 | 10 | 10 | 12 | 12 | | | | |
| 35 | 15 | 2 50 | 1 50 | 10 | 10 | 10 | 12 | 12 | | | | |
| 36 | 30 | 2 00 | 1 00 | 10 | 10 | 10 | 12 | 12 | | | | |
| 37 | 18 | 1 80 | | 10 | 10 | 10 | 12 | 12 | | | | |
| 38 | 10 | 1 80 | | 10 | 10 | 10 | 12 | 12 | | | | |
| 39 | 25 | 1 75 | 1 25 | 10 | 8 | 9 | 12 | 8 | 4 | | | |

LUMBER.

| | | | | | | | | | | | | |
|----|-----|--------|--------|----|----|-----|----|----|---|---|---|---|
| 1 | 45 | \$2 00 | \$1 00 | 10 | 10 | 10 | 9 | 9 | | | | 3 |
| 2 | 38 | 1 75 | 1 25 | 10 | 9 | 9½ | 12 | 8 | 4 | | | |
| 3 | 27 | 1 75 | 1 00 | 10 | 8 | 9 | 12 | 12 | | | | |
| 4 | 20 | 2 00 | 75 | 10 | 10 | 10 | 12 | 12 | | | | |
| 5 | 75 | 1 75 | 1 25 | 10 | 9 | 9½ | 9 | 9 | | | | 3 |
| 6 | 30 | 2 00 | 1 00 | 10 | 10 | 10 | 12 | 12 | | | | 6 |
| 7 | 30 | 2 25 | 1 00 | 10 | 10 | 10 | 6 | 6 | | | | |
| 8 | 25 | 4 00 | 1 25 | 11 | 10 | 10½ | 12 | 12 | | | | |
| 9 | 25 | 2 50 | 1 25 | 10 | 9 | 9½ | 12 | 10 | 2 | | | |
| 10 | 100 | 2 50 | 1 35 | 10 | 10 | 10 | 12 | 12 | | | | |
| 11 | 25 | | 1 62 | 10 | 9 | 9½ | 12 | 12 | | | | |
| 12 | 75 | 1 75 | 1 00 | 10 | 10 | 10 | 12 | 10 | 2 | | | |
| 13 | 55 | 1 75 | 1 25 | 10 | 10 | 10 | 12 | 11 | | 1 | | |
| 14 | 42 | 1 75 | 1 25 | 10 | 10 | 10 | 12 | 12 | | | | |
| 15 | 23 | 1 75 | 1 25 | 10 | 8 | 9 | 12 | 8 | 4 | | | |
| 16 | 20 | 2 00 | 1 30 | 10 | 10 | 10 | 12 | 9 | | | 3 | |
| 17 | 14 | 1 75 | 1 25 | 10 | 10 | 10 | 12 | 12 | | | | |
| 18 | 40 | 2 00 | 1 40 | 10 | 10 | 10 | 6 | 6 | | | | 6 |
| 19 | 24 | 1 50 | 1 00 | 12 | 12 | 12 | 12 | 6 | 2 | | 4 | |
| 20 | 20 | 2 50 | 1 00 | 10 | 10 | 10 | 8 | 8 | | | | 4 |
| 21 | 37 | 2 25 | 1 55 | 9 | 10 | 9½ | 12 | 12 | | | | |
| 22 | 10 | 2 50 | 1 25 | 10 | 9 | 9½ | 9 | 9 | | | | 3 |
| 23 | 23 | 2 50 | 1 50 | 10 | 9 | 9½ | 12 | 7 | | | 5 | |
| 24 | 50 | 2 00 | 1 00 | 11 | 11 | 11 | 8 | | 8 | | | 4 |
| 25 | 60 | 2 00 | 1 25 | 11 | 10 | 10½ | 11 | 11 | | | | 1 |

Lumber—Continued.

| Number of es- tablishment.. | Average num- ber of em- ployés..... | AVERAGE DAY'S WAGES FOR | | HOURS OF LABOR. | | | No. of months employed in each estab- lishment..... | TIME EMPLOYED, IN MONTHS. | | | | |
|--------------------------------|---|----------------------------|-----------------------|-------------------|--------------------|-------------------------|--|------------------------------|------------|------------|------------|--------------|
| | | Skilled Mechan'cs | Ordinary Laborers. | May to Nov. | Nov. to May. | Yearly Aver- age. | | Full time. | % time. | % time. | % time. | Idle |
| 26 | 100 | \$2 50 | \$1 25 | 11 | 10 | 10½ | 8 | ..... | ..... | ..... | 8 | 4 |
| 27 | 43 | 2 50 | 1 50 | 10 | 8 | 9 | 12 | ..... | 8 | 4 | ..... | ..... |
| 28 | 18 | 2 00 | 1 25 | 10 | 9 | 9½ | 10 | ..... | 8 | 4 | ..... | ..... |
| 29 | 41 | 4 00 | 1 25 | 10 | 9 | 9½ | 12 | ..... | 6 | 2 | ..... | 4 |
| 30 | 20 | 2 50 | 1 20 | 10 | 8 | 9 | 12 | ..... | 10 | 1 | ..... | 1 |
| 31 | 32 | 2 75 | 1 25 | 10 | 10 | 10 | 12 | ..... | 12 | ..... | ..... | ..... |
| 32 | 11 | 2 00 | 1 25 | 10 | 9 | 9½ | 12 | ..... | 12 | ..... | ..... | ..... |
| 33 | 40 | 1 50 | 1 25 | 11 | 10 | 10½ | 11 | ..... | 10 | ..... | 1 | 1 |
| 34 | 25 | 2 00 | 1 25 | 11 | 10 | 10½ | 12 | ..... | 10 | 2 | ..... | ..... |
| 35 | 15 | 2 25 | 1 75 | 10 | 10 | 10 | 12 | ..... | 12 | ..... | ..... | ..... |
| 36 | 55 | 2 50 | 1 25 | 10 | 8 | 9 | 12 | ..... | 12 | 6 | ..... | ..... |
| 37 | 12 | 2 00 | 1 00 | 11 | 11 | 11 | 12 | ..... | 12 | ..... | ..... | ..... |
| 38 | 60 | 3 00 | 1 35 | 11 | 11 | 11 | 8 | ..... | 8 | ..... | ..... | 4 |
| 39 | 40 | 3 00 | 1 50 | 11 | 11 | 11 | 8 | ..... | 8 | ..... | ..... | 4 |
| 40 | 115 | 2 50 | 1 50 | 11 | 9 | 10 | 9 | ..... | 9 | ..... | ..... | 3 |
| 41 | 65 | 2 50 | 1 35 | 11 | 9 | 10 | 8 | ..... | 8 | ..... | ..... | 4 |
| 42 | 17 | 2 00 | 1 00 | 10 | 10 | 10 | 12 | ..... | 12 | ..... | ..... | ..... |
| 43 | 32 | 1 75 | 1 00 | 10 | 9 | 9½ | 10 | ..... | 10 | ..... | ..... | 2 |
| 44 | 40 | 2 50 | 1 00 | 10 | 10 | 10 | 10 | ..... | ..... | 8 | ..... | 2 |
| 45 | 25 | 2 50 | 1 00 | 11 | 10 | 10½ | 10 | ..... | 9 | 1 | ..... | ..... |
| 46 | 30 | 3 50 | 1 25 | 10 | 10 | 10 | 6 | ..... | 6 | ..... | ..... | 6 |

MACHINES AND MACHINERY.

| | | | | | | | | | | | | |
|----|-----|--------|--------|----|----|----|----|----|-------|-------|-------|-------|
| 1 | 60 | \$2 00 | \$1 25 | 10 | 10 | 10 | 12 | 12 | ..... | ..... | ..... | ..... |
| 2 | 38 | 2 50 | 1 50 | 10 | 10 | 10 | 12 | 12 | ..... | ..... | ..... | ..... |
| 3 | 172 | 2 75 | 1 60 | 10 | 10 | 10 | 12 | 12 | ..... | ..... | ..... | ..... |
| 4 | 205 | 2 50 | 1 50 | 10 | 10 | 10 | 12 | 12 | ..... | ..... | ..... | ..... |
| 5 | 45 | 2 50 | 1 00 | 10 | 9 | 9½ | 12 | 12 | ..... | ..... | ..... | ..... |
| 6 | 84 | 2 75 | 1 50 | 10 | 9 | 9½ | 12 | 12 | ..... | ..... | ..... | ..... |
| 7 | 30 | 2 50 | 1 00 | 10 | 10 | 10 | 12 | 12 | ..... | ..... | ..... | ..... |
| 8 | 30 | 3 00 | 1 75 | 10 | 10 | 10 | 10 | 10 | ..... | ..... | ..... | 2 |
| 9 | 20 | 2 00 | 1 50 | 10 | 9 | 9½ | 12 | 12 | ..... | ..... | ..... | ..... |
| 10 | 15 | 2 50 | 1 25 | 10 | 9 | 9½ | 12 | 12 | ..... | ..... | ..... | ..... |
| 11 | 45 | 2 50 | 1 60 | 10 | 10 | 10 | 12 | 12 | ..... | ..... | ..... | ..... |
| 12 | 50 | 2 50 | 1 00 | 10 | 10 | 10 | 12 | 12 | ..... | ..... | ..... | ..... |
| 13 | 24 | 2 00 | 1 50 | 10 | 9 | 9½ | 10 | 10 | ..... | ..... | ..... | 2 |
| 14 | 15 | 2 50 | 1 50 | 10 | 10 | 10 | 12 | 12 | ..... | ..... | ..... | ..... |
| 15 | 75 | 2 50 | 1 10 | 10 | 8 | 9 | 12 | 12 | ..... | ..... | ..... | ..... |
| 16 | 70 | 2 25 | 1 50 | 10 | 10 | 10 | 12 | 12 | ..... | ..... | ..... | ..... |
| 17 | 40 | 2 00 | 1 50 | 10 | 10 | 10 | 12 | 12 | ..... | ..... | ..... | ..... |
| 18 | 10 | 2 25 | 2 00 | 10 | 10 | 10 | 12 | 12 | ..... | ..... | ..... | ..... |
| 19 | 9 | 2 00 | 1 50 | 10 | 10 | 10 | 12 | 12 | ..... | ..... | ..... | ..... |
| 20 | 165 | 2 75 | 1 75 | 10 | 10 | 10 | 12 | 12 | ..... | ..... | ..... | ..... |
| 21 | 45 | 3 00 | 2 00 | 10 | 10 | 10 | 12 | 12 | ..... | ..... | ..... | ..... |
| 22 | 15 | 2 50 | 1 50 | 10 | 10 | 10 | 12 | 12 | ..... | ..... | ..... | ..... |
| 23 | 30 | 2 50 | 1 50 | 10 | 10 | 10 | 12 | 12 | ..... | ..... | ..... | ..... |
| 24 | 55 | 2 50 | 1 50 | 10 | 10 | 10 | 12 | 12 | ..... | ..... | ..... | ..... |
| 25 | 40 | 2 50 | 1 50 | 10 | 10 | 10 | 12 | 12 | ..... | ..... | ..... | ..... |
| 26 | 16 | 2 50 | 1 50 | 10 | 10 | 10 | 12 | 12 | ..... | ..... | ..... | ..... |
| 27 | 23 | 2 50 | 1 50 | 10 | 10 | 10 | 12 | 12 | ..... | ..... | ..... | ..... |
| 28 | 15 | 2 25 | 2 00 | 10 | 10 | 10 | 9 | 9 | ..... | ..... | ..... | 3 |
| 29 | 12 | 2 50 | 1 75 | 12 | 12 | 12 | 12 | 12 | ..... | ..... | ..... | ..... |
| 30 | 16 | 2 50 | 1 75 | 10 | 10 | 10 | 12 | 12 | ..... | ..... | ..... | ..... |
| 31 | 8 | 2 50 | 2 00 | 10 | 10 | 10 | 12 | 12 | ..... | ..... | ..... | ..... |
| 32 | 8 | 2 25 | ..... | 10 | 10 | 10 | 12 | 12 | ..... | ..... | ..... | ..... |
| 33 | 12 | 3 00 | 2 00 | 10 | 10 | 10 | 12 | 12 | ..... | ..... | ..... | ..... |
| 34 | 20 | 2 50 | 1 50 | 10 | 10 | 10 | 12 | 12 | ..... | ..... | ..... | ..... |
| 35 | 25 | 2 30 | 1 50 | 10 | 10 | 10 | 12 | 12 | ..... | ..... | ..... | ..... |

Machines and Machinery—Continued.

| Number of establishments. | Average number of employees. | AVERAGE DAY'S WAGES FOR | | HOURS OF LABOR. | | | No. of months employed in each establishment. | TIME EMPLOYED, IN MONTHS. | | | | |
|---------------------------|------------------------------|-------------------------|--------------------|-----------------|--------------|-----------------|---|---------------------------|---------------------|---------------------|---------------------|-------|
| | | Skilled Mechanics | Ordinary Laborers. | May to Nov. | Nov. to May. | Yearly Average. | | Full time. | $\frac{3}{4}$ time. | $\frac{1}{2}$ time. | $\frac{1}{4}$ time. | Idle. |
| 36 | 12 | \$2 10 | \$1 50 | 10 | 9 | 9½ | 12 | 7 | 5 | | | |
| 37 | 25 | 2 00 | 1 75 | 10 | 10 | 10 | 12 | 12 | | | | |
| 38 | 12 | 2 25 | 1 50 | 10 | 10 | 10 | 12 | 12 | | | | |
| 39 | 25 | 2 50 | 1 25 | 10 | 10 | 10 | 12 | 12 | | | | |
| 40 | 25 | 2 50 | 1 25 | 10 | 10 | 10 | 12 | 12 | | | | |
| 41 | 82 | 2 50 | 1 25 | 10 | 10 | 10 | 10 | 10 | | | | 2 |
| 42 | 15 | 2 50 | 2 00 | 10 | 10 | 10 | 12 | 12 | | | | |
| 43 | 67 | 2 50 | 2 00 | 10 | 10 | 10 | 12 | 11 | 1 | | | |
| 44 | 55 | 2 25 | 1 50 | 10 | 9 | 9½ | 12 | 12 | | | | |
| 45 | 15 | 2 50 | 2 00 | 10 | 10 | 10 | 12 | 12 | | | | |
| 46 | 20 | 2 50 | 1 25 | 10 | 10 | 10 | 12 | 12 | | | | |
| 47 | 12 | 2 00 | 1 00 | 10 | 10 | 10 | 12 | 12 | | | | |
| 48 | 12 | 3 50 | 1 50 | 10 | 10 | 10 | 12 | 12 | | | | |
| 49 | 90 | 2 50 | 1 50 | 10 | 10 | 10 | 12 | 12 | | | | |
| 50 | 370 | 1 75 | 1 35 | 10 | 9 | 9½ | 12 | 12 | | | | |
| 51 | 40 | 3 00 | 1 50 | 10 | 10 | 10 | 12 | 12 | | | | |
| 52 | 75 | 2 75 | 1 50 | 10 | 10 | 10 | 12 | 12 | | | | |
| 53 | 8 | 2 50 | 1 50 | 10 | 10 | 10 | 12 | 12 | | | | |
| 54 | 55 | 2 25 | 1 00 | 10 | 10 | 10 | 12 | 12 | | | | |
| 55 | 40 | 2 25 | 1 25 | 10 | 10 | 10 | 12 | 12 | | | | |
| 56 | 16 | 2 25 | 1 75 | 10 | 10 | 10 | 12 | 12 | | | | |
| 57 | 25 | 2 50 | 1 50 | 10 | 10 | 10 | 12 | 12 | | | | |
| 58 | 25 | 1 75 | 1 25 | 10 | 10 | 10 | 12 | 12 | | | | |
| 59 | 300 | 2 50 | 1 50 | 10 | 12 | 11 | 12 | 12 | | | | |
| 60 | 125 | 2 50 | 1 00 | 10 | 10 | 10 | 12 | 12 | | | | |
| 61 | 15 | 2 00 | 1 25 | 11 | 9 | 10 | 12 | 12 | | | | |
| 62 | 20 | 2 00 | 1 00 | 10 | 10 | 10 | 12 | 12 | | | | |
| 63 | 80 | 2 50 | 1 25 | 10 | 10 | 10 | 12 | 12 | | | | |
| 64 | 21 | 1 50 | 1 00 | 10 | 10 | 10 | 12 | 12 | | | | |
| 65 | 72 | 2 25 | 1 10 | 10 | 10 | 10 | 12 | 12 | | | | |
| 66 | 30 | 2 00 | 1 25 | 10 | 10 | 10 | 12 | 12 | | | | |
| 67 | 80 | 2 25 | 1 25 | 10 | 10 | 10 | 12 | 12 | | | | |
| 68 | 42 | 2 40 | 1 15 | 10 | 9 | 9½ | 12 | 8 | 4 | | | |
| 69 | 13 | 2 00 | 1 50 | 10 | 8 | 9 | 12 | 8 | 4 | | | |
| 70 | 10 | 2 25 | 1 25 | 10 | 10 | 10 | 12 | 12 | | | | |
| 71 | 55 | 2 50 | 1 50 | 10 | 10 | 10 | 12 | 12 | | | | |
| 72 | 20 | 2 00 | 1 25 | 10 | 8 | 9 | 12 | 8 | | | 4 | |
| 73 | 30 | 2 50 | 1 25 | 10 | 10 | 10 | 12 | 8 | 4 | | | |
| 74 | 21 | 2 50 | 1 50 | 10 | 10 | 10 | 12 | 12 | | | | |
| 75 | 26 | 1 75 | 1 25 | 10 | 10 | 10 | 12 | 12 | | | | |
| 76 | 38 | 1 75 | 1 25 | 10 | 8 | 9 | 10 | 10 | | | | 2 |
| 77 | 15 | 2 50 | 1 75 | 10 | 10 | 10 | 12 | 12 | | | | |
| 78 | 12 | 2 75 | 2 00 | 10 | 10 | 10 | 12 | 12 | | | | |
| 79 | 10 | 1 75 | | 10 | 8 | 9 | 12 | 12 | | | | |
| 80 | 27 | 2 50 | 1 50 | 10 | 10 | 10 | 12 | 12 | | | | |
| 81 | 9 | 2 00 | | 10 | 10 | 10 | 12 | 12 | | | | |
| 82 | 11 | 2 00 | | 10 | 10 | 10 | 12 | 12 | | | | |
| 83 | 15 | 1 87 | 1 00 | 10 | 10 | 10 | 12 | 12 | | | | |
| 84 | 10 | 2 50 | | 10 | 10 | 10 | 12 | 12 | | | | |
| 85 | 6 | 3 50 | 3 00 | 10 | 10 | 10 | 12 | 12 | | | | |
| 86 | 15 | 3 00 | 75 | 10 | 10 | 10 | 12 | 12 | | | | |
| 87 | 28 | 2 00 | 1 00 | 10 | 10 | 10 | 12 | 12 | | | | |

STATISTICS OF LABOR.

MALT.

| Number of establishment.. | Average number of employes..... | AVERAGE DAY'S WAGES FOR | | HOURS OF LABOR. | | | No. of months employed in each establishment..... | TIME EMPLOYED, IN MONTHS. | | | | | Idle |
|---------------------------|---------------------------------|-------------------------|--------------------|-----------------|--------------|-----------------|---|---------------------------|---------------------|---------------------|---------------------|-------|------------|
| | | Skilled Mechanics | Ordinary Laborers. | May to Nov. | Nov. to May. | Yearly Average. | | Full time. | $\frac{3}{4}$ time. | $\frac{1}{2}$ time. | $\frac{1}{4}$ time. | ..... |  |
| 1 | 40 | | \$1 60 | 10 | 10 | 10 | 10 | 10 | | | | | 2 |
| 2 | 32 | ..... | 1 50 | 12 | 12 | 12 | 10 | 10 | ..... | ..... | ..... | ..... |  |
| 3 | 20 | \$3 00 | 1 66 | 12 | 12 | 12 | 12 | 10 | ..... | ..... | ..... | ..... |  |
| 4 | 24 | 2 50 | 2 00 | 10 | 10 | 10 | 10 | 10 | ..... | ..... | ..... | ..... |  |
| 5 | 35 | 1 75 | 1 50 | 12 | 12 | 12 | 10 | 10 | ..... | ..... | ..... | ..... |  |
| 6 | 12 | 2 00 | 1 50 | 10 | 10 | 10 | 10 | 10 | ..... | ..... | ..... | ..... |  |
| 7 | 10 | 2 00 | ..... | 10 | 10 | 10 | 10 | 10 | ..... | ..... | ..... | ..... |  |
| 8 | 16 | 2 00 | 1 50 | 12 | 12 | 12 | 7 | 7 | ..... | ..... | ..... | ..... |  |
| 9 | 10 | 2 50 | 2 00 | 10 | 10 | 10 | 10 | 10 | ..... | ..... | ..... | ..... |  |

METALS AND METALLIC GOODS.

| | | | | | | | | | | | | | |
|----|-----|--------|--------|----|----|----|----|----|-------|-------|-------|-------|---|
| 1 | 40 | \$2 25 | \$1 25 | 10 | 8 | 9 | 12 | 8 | 4 | | | | 2 |
| 2 | 25 | 2 60 | 1 30 | 10 | 9 | 9½ | 12 | 10 | ..... | ..... | ..... | ..... |  |
| 3 | 45 | 2 25 | 1 25 | 10 | 9 | 9½ | 12 | 9 | 3 | ..... | ..... | ..... |  |
| 4 | 40 | 2 25 | 1 50 | 10 | 10 | 10 | 12 | 12 | ..... | ..... | ..... | ..... |  |
| 5 | 16 | 2 25 | 1 25 | 10 | 10 | 10 | 11 | 12 | ..... | ..... | ..... | ..... |  |
| 6 | 35 | 2 25 | 1 00 | 10 | 8 | 9 | 11 | 6 | ..... | ..... | 6 | ..... |  |
| 7 | 225 | 2 50 | 1 50 | 10 | 10 | 10 | 12 | 12 | ..... | ..... | ..... | ..... |  |
| 8 | 430 | 2 25 | 1 35 | 10 | 10 | 10 | 11 | 11 | ..... | ..... | ..... | ..... |  |
| 9 | 150 | 3 50 | 1 50 | 10 | 10 | 10 | 12 | 12 | ..... | ..... | ..... | ..... |  |
| 10 | 240 | 2 75 | 1 25 | 10 | 10 | 10 | 12 | 12 | ..... | ..... | ..... | ..... |  |
| 11 | 75 | 2 50 | 1 35 | 10 | 8 | 9 | 12 | 12 | | | | | 1 |
| 12 | 126 | 2 35 | 1 25 | 10 | 10 | 10 | 12 | 12 | ..... | ..... | ..... | ..... |  |
| 13 | 90 | 2 50 | 1 50 | 10 | 10 | 10 | 12 | 12 | ..... | ..... | ..... | ..... |  |
| 14 | 35 | 2 50 | 1 50 | 10 | 10 | 10 | 12 | 12 | ..... | ..... | ..... | ..... |  |
| 15 | 25 | 2 50 | 1 50 | 10 | 10 | 10 | 12 | 12 | ..... | ..... | ..... | ..... |  |
| 16 | 30 | 2 00 | 1 60 | 10 | 10 | 10 | 12 | 12 | ..... | ..... | ..... | ..... |  |
| 17 | 20 | 2 50 | 1 75 | 10 | 10 | 10 | 12 | 12 | ..... | ..... | ..... | ..... |  |
| 18 | 15 | 2 50 | 1 50 | 10 | 10 | 10 | 11 | 11 | ..... | ..... | ..... | ..... |  |
| 19 | 24 | 2 50 | 1 25 | 10 | 10 | 10 | 12 | 12 | ..... | ..... | ..... | ..... |  |
| 20 | 12 | 2 40 | 1 25 | 10 | 10 | 10 | 12 | 12 | ..... | ..... | ..... | ..... |  |
| 21 | 50 | 2 75 | 1 50 | 10 | 9 | 9 | 12 | 12 | | | | | 5 |
| 22 | 69 | 2 25 | 1 50 | 10 | 8 | 9½ | 12 | 12 | ..... | ..... | ..... | ..... |  |
| 23 | 75 | 2 65 | 1 50 | 10 | 10 | 10 | 12 | 12 | ..... | ..... | ..... | ..... |  |
| 24 | 80 | 2 50 | 1 50 | 10 | 10 | 10 | 12 | 12 | ..... | ..... | ..... | ..... |  |
| 25 | 67 | 2 25 | 1 25 | 10 | 10 | 10 | 12 | 12 | ..... | ..... | ..... | ..... |  |
| 26 | 90 | 2 75 | 1 00 | 10 | 10 | 10 | 12 | 12 | ..... | ..... | ..... | ..... |  |
| 27 | 40 | 2 00 | 1 30 | 10 | 10 | 10 | 12 | 12 | ..... | ..... | ..... | ..... |  |
| 28 | 6 | 2 75 | ..... | 10 | 10 | 10 | 12 | 12 | ..... | ..... | ..... | ..... |  |
| 29 | 732 | 2 50 | 1 25 | 10 | 10 | 10 | 12 | 12 | ..... | ..... | ..... | ..... |  |
| 30 | 33 | 2 50 | 1 00 | 10 | 10 | 10 | 12 | 12 | ..... | ..... | ..... | ..... |  |
| 31 | 25 | 2 50 | 1 25 | 10 | 10 | 10 | 12 | 12 | | | | | 2 |
| 32 | 8 | 2 00 | ..... | 10 | 10 | 10 | 12 | 12 | ..... | ..... | ..... | ..... |  |
| 33 | 10 | 2 25 | 1 50 | 10 | 10 | 10 | 12 | 12 | ..... | ..... | ..... | ..... |  |
| 34 | 131 | 2 50 | 1 50 | 10 | 10 | 10 | 12 | 12 | ..... | ..... | ..... | ..... |  |
| 35 | 25 | 2 50 | 1 00 | 10 | 10 | 10 | 12 | 12 | ..... | ..... | ..... | ..... |  |
| 36 | 11 | 2 50 | 1 50 | 10 | 10 | 10 | 12 | 12 | ..... | ..... | ..... | ..... |  |
| 37 | 70 | 2 50 | 1 25 | 10 | 8 | 9 | 12 | 12 | ..... | ..... | ..... | ..... |  |
| 38 | 50 | 2 50 | 1 50 | 10 | 10 | 10 | 12 | 12 | ..... | ..... | ..... | ..... |  |
| 39 | 20 | 2 50 | 2 00 | 10 | 10 | 10 | 12 | 12 | ..... | ..... | ..... | ..... |  |
| 40 | 23 | 3 00 | 1 25 | 10 | 10 | 10 | 12 | 12 | ..... | ..... | ..... | ..... |  |
| 41 | 30 | 3 50 | 1 50 | 10 | 8 | 9 | 12 | 8 | 4 | | | | 4 |
| 42 | 8 | 2 50 | ..... | 10 | 10 | 10 | 12 | 12 | ..... | ..... | ..... | ..... |  |
| 43 | 20 | 2 00 | 1 25 | 12 | 12 | 12 | 12 | 12 | ..... | ..... | ..... | ..... |  |
| 44 | 10 | 2 00 | 1 50 | 10 | 10 | 10 | 12 | 12 | ..... | ..... | ..... | ..... |  |
| 45 | 16 | 3 00 | 1 50 | 10 | 10 | 10 | 12 | 12 | ..... | ..... | ..... | ..... |  |
| 46 | 10 | 2 00 | ..... | 10 | 10 | 10 | 12 | 12 | ..... | ..... | ..... | ..... |  |
| 47 | 25 | 2 00 | 1 50 | 10 | 10 | 10 | 12 | 12 | ..... | ..... | ..... | ..... |  |
| 48 | 10 | 2 25 | 1 50 | 10 | 9 | 9½ | 12 | 12 | ..... | ..... | ..... | ..... |  |
| 49 | 10 | 2 50 | 1 50 | 10 | 10 | 10 | 12 | 12 | ..... | ..... | ..... | ..... |  |
| 50 | 15 | 2 50 | 1 50 | 10 | 10 | 10 | 12 | 12 | ..... | ..... | ..... | ..... |  |

TIME AND WAGES.

Metals and Metallic Goods—Continued.

| Number of establishment. | Average number of employees. | AVERAGE DAY'S WAGES FOR | | HOURS OF LABOR. | | | No. of months employed in each establishment. | TIME EMPLOYED | |
|--------------------------|------------------------------|-------------------------|--------------------|-----------------|--------------|-----------------|---|---------------|------------|
| | | Skilled Mechanic's | Ordinary Laborers. | May to Nov. | Nov. to May. | Yearly Average. | | Full time. | Part time. |
| 51 | 40 | \$2 25 | \$1 25 | 10 | 9 | 9½ | 12 | 12 | |
| 52 | 8 | 3 00 | 1 50 | 8 | 8 | 8 | 12 | | |
| 53 | 15 | 2 00 | 1 25 | 10 | 9 | 9½ | 12 | | |
| 54 | 13 | 1 50 | 1 00 | 10 | 9 | 9½ | 12 | | |
| 55 | 40 | 2 00 | 1 00 | 10 | 10 | 10 | 12 | | |
| 56 | 30 | 3 00 | 75 | 10 | 9 | 9½ | 12 | | |
| 57 | 14 | 2 50 | 2 00 | 10 | 10 | 10 | 12 | | |
| 58 | 125 | 2 25 | 1 00 | 10 | 10 | 10 | 11 | | |
| 59 | 40 | 2 00 | 1 00 | 10 | 10 | 10 | 12 | | |
| 60 | 8 | 2 50 | 1 50 | 10 | 9 | 9½ | 12 | | |
| 61 | 18 | 2 25 | 1 50 | 10 | 10 | 10 | 12 | | |
| 62 | 28 | 2 25 | 1 50 | 10 | 8 | 9 | 12 | | |
| 63 | 10 | 1 00 | 1 00 | 10 | 8 | 9 | 12 | | |
| 64 | 279 | 1 50 | 1 00 | 10 | 10 | 10 | 12 | | |
| 65 | 18 | 2 50 | 1 50 | 10 | 10 | 10 | 12 | | |
| 66 | 13 | 2 25 | 1 25 | 10 | 10 | 10 | 12 | | |
| 67 | 130 | 3 25 | 1 50 | 10 | 10 | 10 | 12 | | |
| 68 | 30 | 3 00 | 1 00 | 10 | 10 | 10 | 12 | | |
| 69 | 20 | 1 75 | 1 00 | 10 | 10 | 10 | 12 | | |
| 70 | 23 | 2 50 | 1 75 | 10 | 9 | 9½ | 12 | | |
| 71 | 19 | 0 00 | 1 25 | 10 | 10 | 10 | 12 | | |
| 72 | 10 | 2 25 | 2 00 | 10 | 10 | 10 | 12 | | |
| 73 | 12 | 2 50 | 1 00 | 10 | 10 | 10 | 12 | | |
| 74 | 175 | 2 50 | 1 00 | 10 | 10 | 10 | 12 | | |
| 75 | 20 | 2 50 | 1 25 | 10 | 10 | 10 | 12 | | |
| 76 | 350 | 0 00 | 1 00 | 10 | 10 | 10 | 12 | | |
| 77 | 70 | 75 | 75 | 10 | 10 | 10 | 12 | | |
| 78 | 20 | 40 | 1 25 | 10 | 10 | 10 | 12 | | |
| 79 | 33 | 25 | 2 00 | 10 | 10 | 10 | 12 | | |
| 80 | 60 | 75 | 1 25 | 10 | 10 | 10 | 12 | | |
| 81 | 15 | 50 | 1 00 | 10 | 10 | 10 | 12 | | |
| 82 | 13 | 0 00 | 1 50 | 10 | 10 | 10 | 12 | | |
| 83 | 10 | 0 00 | 1 50 | 10 | 10 | 10 | 12 | | |
| 84 | 50 | 50 | 2 00 | 10 | 9 | 9½ | 12 | | |
| 85 | 15 | 50 | 1 25 | 10 | 10 | 10 | 12 | | |
| 86 | 14 | 50 | 1 00 | 10 | 10 | 10 | 12 | | |
| 87 | 18 | 50 | 1 00 | 10 | 10 | 10 | 12 | | |
| 88 | 40 | 50 | 1 00 | 10 | 10 | 10 | 12 | | |
| 89 | 14 | 50 | 1 00 | 10 | 10 | 10 | 12 | | |
| 90 | 8 | 0 00 | 1 00 | 10 | 10 | 10 | 12 | | |
| 91 | 20 | 25 | 1 00 | 10 | 10 | 10 | 12 | | |
| 92 | 78 | 25 | 1 50 | 10 | 12 | 11 | 12 | | |
| 93 | 17 | 25 | 1 50 | 10 | 10 | 10 | 12 | | |
| 94 | 25 | 25 | 1 65 | 9 | 9 | 9 | 12 | | |
| 95 | 23 | 36 | 1 50 | 10 | 9 | 9½ | 12 | | |
| 96 | 36 | 25 | 1 00 | 10 | 10 | 10 | 12 | | |
| 97 | 15 | 25 | 1 00 | 10 | 9 | 9½ | 12 | | |
| 98 | 19 | 15 | 1 25 | 10 | 10 | 10 | 12 | | |
| 99 | 10 | 10 | 1 50 | 9 | 9 | 9 | 12 | | |
| 100 | 10 | 10 | 1 00 | 9 | 8 | 8½ | 12 | | |
| 101 | 10 | 10 | 1 00 | 10 | 10 | 10 | 12 | | |
| 102 | 28 | 10 | 1 00 | 10 | 10 | 10 | 12 | | |
| 103 | 80 | 10 | 1 50 | 10 | 10 | 10 | 12 | | |
| 104 | 23 | 45 | 1 50 | 10 | 10 | 10 | 12 | | |
| 105 | 27 | 50 | 1 50 | 10 | 9 | 9½ | 11 | | |
| 106 | 21 | 16 | 1 88 | 10 | 10 | 10 | 11 | | |
| 107 | 16 | 10 | 1 75 | 10 | 10 | 10 | 12 | | |
| 108 | 10 | 10 | 1 75 | 10 | 10 | 10 | 12 | | |
| 109 | 10 | 10 | 1 75 | 10 | 10 | 10 | 12 | | |
| 110 | 10 | 10 | 1 75 | 10 | 10 | 10 | 12 | | |
| 111 | 10 | 10 | 1 75 | 10 | 10 | 10 | 12 | | |
| 112 | 10 | 10 | 1 75 | 10 | 10 | 10 | 12 | | |
| 113 | 10 | 10 | 1 75 | 10 | 10 | 10 | 12 | | |
| 114 | 10 | 10 | 1 75 | 10 | 10 | 10 | 12 | | |
| 115 | 10 | 10 | 1 75 | 10 | 10 | 10 | 12 | | |
| 116 | 10 | 10 | 1 75 | 10 | 10 | 10 | 12 | | |

Metals and Metallic Goods—Continued.

| Number of es- tablishment. | Average num- ber of em- ployes..... | AVERAGE DAY'S WAGES FOR | | HOURS OF LABOR. | | | No. of months employed in each estab- lishment..... | TIME EMPLOYED, IN MONTHS. | | | | |
|-------------------------------|---|----------------------------|-----------------------|-------------------|--------------------|-------------------------|--|------------------------------|------------|------------|------------|--------------|
| | | Skilled Mechanics | Ordinary Laborers. | May to Nov. | Nov. to May. | Yearly Aver- age. | | Full time.. | % time. | % time. | % time. | Idle |
| 117 | 18 | \$1 50 | \$1 35 | 10 | 10 | 10 | 12 | 12 | ... | ... | ... | ... |
| 118 | 24 | 2 00 | 1 00 | 10 | 10 | 10 | 12 | 12 | ... | ... | ... | ... |
| 119 | 9 | 3 00 | 1 50 | 10 | 10 | 10 | 12 | 12 | ... | ... | ... | ... |
| 120 | 82 | 2 24 | 1 00 | 10 | 10 | 10 | 11 | 11 | ... | ... | ... | 1 |
| 121 | 100 | 2 50 | 1 35 | 10 | 10 | 10 | 12 | 12 | ... | ... | ... | ... |
| 122 | 10 | 2 50 | 1 25 | 10 | 10 | 10 | 12 | 12 | ... | ... | ... | ... |
| 123 | 30 | 2 00 | 1 25 | 10 | 10 | 10 | 12 | 12 | ... | ... | ... | ... |
| 124 | 35 | 2 50 | 1 25 | 10 | 9 | 9½ | 12 | 12 | ... | ... | ... | ... |
| 125 | 125 | 2 25 | 1 35 | 10 | 10 | 10 | 12 | 12 | ... | ... | ... | ... |
| 126 | 43 | 2 25 | 1 50 | 10 | 10 | 10 | 12 | 12 | ... | ... | ... | ... |
| 127 | 15 | 2 50 | 1 00 | 10 | 8 | 9 | 11 | 8 | 3 | ... | ... | 1 |
| 128 | 48 | 2 00 | 1 25 | 10 | 10 | 10 | 12 | 12 | ... | ... | ... | ... |
| 129 | 55 | 2 50 | 1 50 | 10 | 10 | 10 | 11 | 11 | ... | ... | ... | 1 |
| 130 | 550 | 4 50 | 1 20 | 12 | 12 | 12 | 12 | 12 | ... | ... | ... | ... |
| 131 | 40 | 2 25 | 1 50 | 12 | 12 | 12 | 12 | 12 | ... | ... | ... | ... |
| 132 | 40 | 2 00 | 1 25 | 10 | 9 | 9½ | 6 | 6 | ... | ... | ... | 6 |
| 133 | 12 | 2 00 | 1 37 | 10 | 9 | 9½ | 12 | 12 | ... | ... | ... | ... |
| 134 | 12 | 2 00 | 1 25 | 10 | 10 | 10 | 12 | 12 | ... | ... | ... | ... |
| 135 | 35 | 2 25 | 1 50 | 10 | 10 | 10 | 12 | 12 | ... | ... | ... | ... |
| 136 | 11 | 2 25 | 1 50 | 10 | 8 | 9 | 12 | 12 | ... | ... | ... | ... |
| 137 | 20 | 2 50 | 1 35 | 10 | 8 | 9 | 12 | 12 | 5 | ... | ... | ... |
| 138 | 16 | 2 25 | 2 00 | 10 | 10 | 10 | 12 | 12 | ... | ... | ... | ... |
| 139 | 20 | 3 00 | 1 75 | 12 | 12 | 12 | 12 | 12 | ... | ... | ... | ... |
| 140 | 20 | 2 25 | 1 50 | 10 | 10 | 10 | 12 | 12 | ... | ... | ... | ... |
| 141 | 10 | 2 25 | 1 50 | 10 | 10 | 10 | 12 | 9 | 3 | ... | ... | ... |
| 142 | 12 | 4 00 | 1 50 | 10 | 10 | 10 | 12 | 8 | 4 | ... | ... | ... |
| 143 | 60 | 2 25 | 1 50 | 12 | 12 | 12 | 12 | 12 | ... | ... | ... | ... |
| 144 | 10 | 2 75 | 2 25 | 10 | 9 | 9½ | 12 | 12 | ... | ... | ... | ... |
| 145 | 24 | 2 25 | 1 25 | 10 | 9 | 9½ | 12 | 12 | ... | ... | ... | ... |
| 146 | 75 | 2 25 | 1 25 | 10 | 9 | 9½ | 12 | 8 | 4 | ... | ... | ... |
| 147 | 80 | 2 40 | 1 30 | 10 | 10 | 10 | 12 | 12 | ... | ... | ... | ... |
| 148 | 60 | 2 25 | 1 40 | 10 | 10 | 10 | 12 | 12 | ... | ... | ... | ... |
| 149 | 75 | 2 00 | 1 25 | 10 | 10 | 10 | 12 | 11 | ... | ... | 1 | ... |
| 150 | 13 | 2 50 | 1 37 | 10 | 10 | 10 | 12 | 12 | ... | ... | ... | ... |
| 151 | 28 | 2 50 | 1 50 | 10 | 10 | 10 | 12 | 8 | ... | 4 | ... | ... |
| 152 | 12 | 2 50 | 1 50 | 10 | 9 | 9½ | 12 | 12 | ... | ... | ... | ... |
| 153 | 8 | 2 25 | 1 50 | 10 | 10 | 10 | 12 | 12 | ... | ... | ... | ... |
| 154 | 225 | 4 00 | 1 25 | 11 | 11 | 11 | 7 | 7 | ... | ... | ... | 5 |
| 155 | 60 | 2 00 | 1 00 | 10 | 9 | 9½ | 12 | 9 | 3 | ... | ... | ... |
| 156 | 15 | 3 00 | 1 50 | 10 | 10 | 10 | 12 | 12 | ... | ... | ... | ... |
| 157 | 40 | 1 25 | 1 00 | 10 | 10 | 10 | 10 | 10 | ... | ... | ... | 2 |
| 158 | 200 | 3 00 | 1 40 | 10 | 10 | 10 | 12 | 12 | ... | ... | ... | ... |
| 159 | 60 | 2 50 | 1 50 | 10 | 10 | 10 | 12 | 12 | ... | ... | ... | ... |
| 160 | 35 | 2 50 | 1 50 | 10 | 10 | 10 | 12 | 12 | ... | ... | ... | ... |
| 161 | 25 | 2 25 | 1 25 | 10 | 10 | 10 | 12 | 12 | ... | ... | ... | ... |
| 162 | 18 | 2 25 | 1 25 | 10 | 10 | 10 | 12 | 12 | 2 | ... | ... | ... |
| 163 | 10 | 2 25 | 1 00 | 10 | 10 | 10 | 12 | 12 | ... | ... | ... | ... |
| 164 | 20 | 2 25 | 1 25 | 12 | 12 | 12 | 12 | 12 | ... | ... | ... | ... |
| 165 | 90 | 1 75 | 1 00 | 10 | 9 | 9½ | 12 | 8 | 4 | ... | ... | ... |
| 166 | 45 | 2 00 | 1 35 | 10 | 10 | 10 | 12 | 12 | ... | ... | ... | ... |
| 167 | 60 | 2 25 | 1 50 | 12 | 12 | 12 | 12 | 12 | ... | ... | ... | ... |
| 168 | 18 | 2 00 | 1 00 | 10 | 10 | 10 | 12 | 12 | ... | ... | ... | ... |
| 169 | 20 | 1 50 | 1 25 | 10 | 9 | 9½ | 12 | 12 | ... | ... | ... | ... |
| 170 | 60 | 2 50 | 1 50 | 12 | 12 | 12 | 12 | 12 | ... | ... | ... | ... |
| 171 | 10 | 2 25 | 1 50 | 12 | 12 | 12 | 12 | 12 | ... | ... | ... | ... |
| 172 | 40 | 2 40 | 1 25 | 10 | 10 | 10 | 12 | 12 | ... | ... | ... | ... |
| 173 | 40 | 1 75 | 1 00 | 10 | 10 | 10 | 12 | 12 | ... | ... | ... | ... |
| 174 | 40 | 2 00 | 1 38 | 10 | 10 | 10 | 12 | 12 | ... | ... | ... | ... |
| 175 | 16 | 2 00 | 1 50 | 10 | 10 | 10 | 12 | 12 | ... | ... | ... | ... |
| 176 | 40 | 4 00 | 1 25 | 10 | 10 | 10 | 12 | 12 | ... | ... | ... | ... |
| 177 | 40 | 1 50 | 1 00 | 10 | 10 | 10 | 12 | 12 | ... | ... | ... | ... |
| 178 | 37 | 1 75 | 75 | 10 | 10 | 10 | 12 | 12 | ... | ... | ... | ... |

Metals and Metallic Goods—Continued.

| Number of establishment. | Average number of employees. | AVERAGE DAY'S WAGES FOR | | HOURS OF LABOR. | | | No. of months employed in each establishment. | TIME EMPLOYED, IN MONTHS. | | | | |
|--------------------------|------------------------------|-------------------------|--------------------|------------------|------------------|------------------|---|---------------------------|---------------------|---------------------|---------------------|-----------------|
| | | Skilled Mechanics. | Ordinary Laborers. | May to Nov. | Nov. to May. | Yearly Average. | | Full time. | $\frac{3}{4}$ time. | $\frac{1}{2}$ time. | $\frac{1}{4}$ time. | Idle. |
| 179 | 538 | \$3 65 | \$1 25 | 11 | 11 | 11 | 12 $\frac{1}{2}$ | 7 $\frac{1}{2}$ | ..... | ..... | ..... | 4 $\frac{1}{2}$ |
| 180 | 85 | 3 00 | 1 25 | 11 $\frac{1}{2}$ | 11 $\frac{1}{2}$ | 11 $\frac{1}{2}$ | 12 | 12 | ..... | ..... | ..... | ..... |
| 181 | 600 | 3 50 | 1 25 | 9 $\frac{1}{2}$ | 9 $\frac{1}{2}$ | 9 $\frac{1}{2}$ | 7 | 7 | ..... | ..... | ..... | 5 |
| 182 | 120 | 4 00 | 1 25 | 9 $\frac{1}{2}$ | 9 $\frac{1}{2}$ | 9 $\frac{1}{2}$ | 7 $\frac{3}{4}$ | 7 $\frac{3}{4}$ | ..... | ..... | ..... | 4 $\frac{1}{4}$ |
| 183 | 725 | 2 80 | 1 25 | 10 | 10 | 10 | 11 | 11 | ..... | ..... | ..... | 1 |
| 184 | 200 | 5 00 | 1 00 | 10 | 10 | 10 | 7 | 7 | ..... | ..... | ..... | 5 |
| 185 | 200 | 4 00 | 1 50 | 10 | 10 | 10 | 11 | 11 | ..... | ..... | ..... | 1 |
| 186 | 654 | 4 10 | 1 23 | 9 $\frac{1}{2}$ | 9 $\frac{1}{2}$ | 9 $\frac{1}{2}$ | 10 $\frac{1}{2}$ | 10 $\frac{1}{2}$ | ..... | ..... | ..... | 1 $\frac{1}{2}$ |
| 187 | 780 | 3 60 | 1 63 | 11 | 11 | 11 | 10 | 10 | ..... | ..... | ..... | 2 |
| 188 | 60 | 2 50 | 1 25 | 10 | 10 | 10 | 12 | 12 | ..... | ..... | ..... | ..... |
| 189 | 75 | 3 50 | 1 50 | 12 | 12 | 12 | 8 | 8 | ..... | ..... | ..... | 9 |
| 190 | 712 | 3 62 | 1 12 | 10 | 10 | 10 | 12 | 12 | ..... | ..... | ..... | ..... |
| 191 | 175 | 2 00 | 1 25 | 12 | 12 | 12 | 11 | 11 | ..... | ..... | ..... | 1 |
| 192 | 98 | 2 75 | 1 75 | 12 $\frac{1}{2}$ | 12 $\frac{1}{2}$ | 12 $\frac{1}{2}$ | 12 | 12 | ..... | ..... | ..... | ..... |
| 193 | 225 | 1 95 | 1 15 | 11 $\frac{1}{2}$ | 11 $\frac{1}{2}$ | 11 $\frac{1}{2}$ | 3 | 3 | ..... | ..... | ..... | 9 |
| 194 | 10 | 2 00 | 1 50 | 10 | 10 | 10 | 12 | 12 | ..... | ..... | ..... | ..... |
| 195 | 24 | 2 50 | 1 00 | 10 | 10 | 10 | 12 | 12 | ..... | ..... | ..... | ..... |
| 196 | 32 | 2 00 | 75 | 10 | 8 | 9 | 12 | 12 | ..... | ..... | ..... | ..... |
| 197 | 25 | 1 50 | 1 00 | 10 | 10 | 10 | 12 | 12 | ..... | ..... | ..... | ..... |

MUSICAL INSTRUMENTS AND MATERIALS.

| | | | | | | | | | | | | |
|----|----|--------|--------|----|----|----|----|----|-------|-------|-------|-------|
| 1 | 36 | \$2 50 | ..... | 10 | 10 | 10 | 12 | 12 | ..... | ..... | ..... | ..... |
| 2 | 12 | 2 75 | ..... | 10 | 10 | 10 | 12 | 12 | ..... | ..... | ..... | ..... |
| 3 | 80 | 2 00 | \$1 25 | 10 | 10 | 10 | 12 | 12 | ..... | ..... | ..... | ..... |
| 4 | 31 | 2 00 | 1 50 | 10 | 10 | 10 | 12 | 12 | ..... | ..... | ..... | ..... |
| 5 | 16 | 2 00 | 1 00 | 10 | 8 | 9 | 12 | 10 | ..... | ..... | 2 | ..... |
| 6 | 22 | 2 50 | 1 75 | 10 | 10 | 10 | 12 | 12 | ..... | ..... | ..... | ..... |
| 7 | 19 | 2 50 | 1 50 | 10 | 10 | 10 | 12 | 12 | ..... | ..... | ..... | ..... |
| 8 | 20 | 2 00 | 1 50 | 10 | 10 | 10 | 12 | 12 | ..... | ..... | ..... | ..... |
| 9 | 80 | 2 50 | 1 25 | 10 | 8 | 9 | 12 | 12 | ..... | ..... | ..... | ..... |
| 10 | 13 | 2 25 | 1 00 | 10 | 10 | 10 | 11 | 11 | ..... | ..... | ..... | 1 |

PAINTS AND OILS.

| | | | | | | | | | | | | |
|----|----|--------|--------|----|----|-----------------|----|----|-------|-------|-------|-------|
| 1 | 56 | \$3 00 | \$2 00 | 10 | 10 | 10 | 12 | 12 | ..... | ..... | ..... | ..... |
| 2 | 4 | 3 00 | 1 00 | 10 | 8 | 9 | 12 | 12 | ..... | ..... | ..... | ..... |
| 3 | 15 | 1 66 | ..... | 10 | 10 | 10 | 12 | 12 | ..... | ..... | ..... | ..... |
| 4 | 18 | 2 00 | 1 50 | 10 | 10 | 10 | 12 | 12 | ..... | ..... | ..... | ..... |
| 5 | 25 | 2 50 | 1 50 | 10 | 8 | 9 | 12 | 12 | ..... | ..... | ..... | ..... |
| 6 | 30 | 2 00 | ..... | 10 | 9 | 9 $\frac{1}{2}$ | 12 | 12 | ..... | ..... | ..... | ..... |
| 7 | 16 | 2 50 | 1 25 | 10 | 10 | 10 | 12 | 12 | ..... | ..... | ..... | ..... |
| 8 | 15 | 1 50 | 75 | 10 | 10 | 10 | 12 | 12 | ..... | ..... | ..... | ..... |
| 9 | 25 | 2 50 | 1 50 | 10 | 10 | 10 | 12 | 12 | ..... | ..... | ..... | ..... |
| 10 | 31 | 1 85 | 1 65 | 11 | 11 | 11 | 12 | 12 | ..... | ..... | ..... | ..... |
| 11 | 25 | 2 00 | 1 00 | 10 | 10 | 10 | 12 | 12 | ..... | ..... | ..... | ..... |
| 12 | 48 | 2 50 | 1 50 | 10 | 10 | 10 | 12 | 12 | ..... | ..... | ..... | ..... |
| 13 | 50 | 3 00 | 1 00 | 10 | 10 | 10 | 10 | 10 | ..... | ..... | ..... | 2 |
| 14 | 13 | 5 00 | 1 37 | 10 | 10 | 10 | 10 | 10 | ..... | ..... | ..... | 2 |
| 15 | 15 | 1 50 | ..... | 12 | 12 | 12 | 12 | 12 | ..... | ..... | ..... | ..... |
| 16 | 13 | 2 25 | 1 45 | 11 | 11 | 11 | 12 | 12 | ..... | ..... | ..... | ..... |

PAPER.

| Number of es- tablishment. | Average num- ber of em- ployees..... | AVERAGE DAY'S WAGES FOR | | HOURS OF LABOR. | | | No. of months employed in each estab- lishment..... | TIME EMPLOYED, IN MONTHS. | | | | |
|-------------------------------|--|----------------------------|-----------------------|-------------------|--------------------|-------------------------|--|------------------------------|------------|------------|------------|-----------|
| | | Skilled Mechan'cs | Ordinary Laborers. | May to Nov. | Nov. to May. | Yearly Aver- age. | | Full time. | % time. | % time. | % time. | Idle..... |
| 1 | 52 | \$2 00 | \$1 42 | 12 | 12 | 12 | 11 | 9 | 2 | | | 1 |
| 2 | 80 | 2 00 | 1 25 | 10 | 10 | 10 | 12 | 12 | | | | 2 |
| 3 | 19 | 1 66 | 1 50 | 12 | 12 | 12 | 10 | 10 | | | | |
| 4 | 26 | 1 50 | 1 25 | 12 | 12 | 12 | 12 | 12 | | | | |
| 5 | 20 | | 1 10 | 10 | 10 | 10 | 12 | 12 | | | | |
| 6 | 27 | 1 50 | 1 25 | 12 | 12 | 12 | 12 | 12 | | | | |
| 7 | 17 | | 1 25 | 12 | 12 | 12 | 12 | 12 | | | | |
| 8 | 22 | | 1 25 | 12 | 12 | 12 | 12 | 12 | | | | |
| 9 | 40 | | 1 25 | 12 | 12 | 12 | 12 | 10 | | | 2 | |
| 10 | 35 | 1 25 | 1 25 | 12 | 10 | 11 | 12 | 12 | | | | |
| 11 | 51 | | 1 25 | 12 | 12 | 12 | 12 | 12 | | | | |
| 12 | 45 | 1 85 | 1 25 | 12 | 12 | 12 | 10 | 10 | | | | 2 |
| 13 | 42 | 1 75 | 1 25 | 12 | 12 | 12 | 10 | 8 | 1 | | 1 | 2 |
| 14 | 28 | 1 66 | 1 25 | 12 | 12 | 12 | 12 | 12 | | | | |
| 15 | 13 | 2 00 | 1 25 | 10 | 11 | 10½ | 9 | 4 | | | 5 | 3 |
| 16 | 20 | 1 50 | 1 25 | 12 | 12 | 12 | 12 | 12 | | | | |
| 17 | 60 | 1 50 | 1 25 | 12 | 12 | 12 | 12 | 12 | | | | |
| 18 | 33 | 1 50 | 1 50 | 12 | 12 | 12 | 9 | 9 | | | | 3 |
| 19 | 26 | | 1 25 | 10 | 10 | 10 | 11 | 7 | | | 4 | 1 |
| 20 | 24 | | 1 37 | 12 | 12 | 12 | 12 | 12 | | | | |
| 21 | 35 | | 1 40 | 10 | 10 | 10 | 11 | 11 | | | | 1 |
| 22 | 35 | | 1 25 | 10 | 10 | 10 | 12 | 12 | | | | |

PHOTOGRAPHS AND OTHER LIKENESSES.

| | | | | | | | | | | | | |
|---|----|--------|--------|----|----|----|----|----|--|--|--|--|
| 1 | 7 | \$3 00 | \$2 00 | 8 | 8 | 8 | 12 | 12 | | | | |
| 2 | 8 | 2 50 | | 10 | 10 | 10 | 12 | 12 | | | | |
| 3 | 10 | 3 00 | 2 00 | 10 | 10 | 10 | 12 | 12 | | | | |
| 4 | 24 | 5 00 | 2 50 | 10 | 10 | 10 | 12 | 12 | | | | |
| 5 | 10 | 4 00 | 3 00 | 8 | 8 | 8 | 12 | 12 | | | | |
| 6 | 15 | 3 50 | 75 | 8 | 8 | 8 | 12 | 12 | | | | |
| 7 | 8 | 3 00 | 2 00 | 10 | 9 | 9½ | 12 | 12 | | | | |
| 8 | 8 | 2 00 | 1 00 | 10 | 8 | 9 | 12 | 12 | | | | |
| 9 | 9 | 3 00 | 2 00 | 8 | 10 | 9 | 12 | 12 | | | | |

PRINTING AND PUBLISHING.

| | | | | | | | | | | | | |
|----|-----|--------|--------|----|----|----|----|----|--|--|--|--|
| 1 | 194 | \$3 50 | | 8 | 8 | 8 | 12 | 12 | | | | |
| 2 | 72 | 2 75 | | 9 | 9 | 9 | 12 | 12 | | | | |
| 3 | 196 | 2 25 | | 10 | 10 | 10 | 12 | 12 | | | | |
| 4 | 120 | 2 75 | | 10 | 10 | 10 | 12 | 12 | | | | |
| 5 | 69 | 2 75 | \$1 50 | 9 | 9 | 9 | 12 | 12 | | | | |
| 6 | 40 | 2 50 | 1 50 | 10 | 10 | 10 | 12 | 12 | | | | |
| 7 | 16 | 2 00 | 1 00 | 10 | 10 | 10 | 12 | 12 | | | | |
| 8 | 52 | 2 50 | 1 50 | 10 | 10 | 10 | 12 | 12 | | | | |
| 9 | 45 | 2 50 | | 10 | 10 | 10 | 12 | 12 | | | | |
| 10 | 108 | 3 00 | 1 50 | 9 | 9 | 9 | 12 | 12 | | | | |
| 11 | 8 | 2 50 | 2 25 | 9 | 9 | 9 | 12 | 12 | | | | |
| 12 | 6 | 3 00 | 2 50 | 10 | 10 | 10 | 12 | 12 | | | | |
| 13 | 14 | 3 00 | 1 25 | 9 | 8 | 8½ | 12 | 12 | | | | |
| 14 | 7 | 2 50 | 2 00 | 10 | 10 | 10 | 12 | 12 | | | | |
| 15 | 31 | 3 00 | 1 25 | 10 | 10 | 10 | 12 | 12 | | | | |
| 16 | 25 | 3 00 | 1 50 | 10 | 10 | 10 | 12 | 12 | | | | |
| 17 | 9 | 3 00 | 2 00 | 10 | 10 | 10 | 12 | 12 | | | | |
| 18 | 6 | 3 00 | | 10 | 10 | 10 | 12 | 12 | | | | |
| 19 | 17 | 3 00 | 1 00 | 9 | 9 | 9 | 12 | 12 | | | | |
| 20 | 16 | 3 00 | 1 00 | 10 | 10 | 10 | 12 | 12 | | | | |

Printing and Publishing—Continued.

| Number of establishments. | Average number of employees. | AVERAGE DAY'S WAGES FOR | | HOURS OF LABOR. | | | No. of months employed in each establishment. | TIME EMPLOYED, IN MONTHS. | | | | |
|---------------------------|------------------------------|-------------------------|--------------------|-----------------|--------------|-----------------|---|---------------------------|---------------------|---------------------|---------------------|-------|
| | | Skilled Mechan's. | Ordinary Laborers. | May to Nov. | Nov. to May. | Yearly Average. | | Full time. | $\frac{3}{4}$ time. | $\frac{1}{2}$ time. | $\frac{1}{4}$ time. | Idle. |
| 21 | 16 | \$1 50 | \$1 25 | 10 | 10 | 10 | 12 | 12 | | | | |
| 21 | 21 | 2 00 | | 10 | 10 | 10 | 12 | 12 | | | | |
| 120 | 120 | 1 50 | | 10 | 10 | 10 | 4 | 4 | | | | 8 |
| 50 | 50 | 2 50 | 1 25 | 10 | 10 | 10 | 12 | 12 | | | | |
| 40 | 40 | 2 50 | 1 25 | 10 | 10 | 10 | 12 | 12 | | | | |
| 50 | 50 | 1 50 | 1 25 | 10 | 10 | 10 | 12 | 12 | | | | |
| 32 | 32 | 2 00 | 1 50 | 10 | 10 | 10 | 12 | 12 | | | | |
| 16 | 16 | 2 00 | 1 00 | 10 | 10 | 10 | 12 | 12 | | | | |
| 14 | 14 | 2 50 | 1 50 | 10 | 10 | 10 | 12 | 12 | | | | |
| 38 | 38 | 2 50 | 1 50 | 10 | 10 | 10 | 12 | 12 | | | | |
| 33 | 33 | 3 00 | 1 00 | 10 | 9 | 9½ | 8 | 8 | | | | 4 |
| 23 | 23 | 3 00 | 1 00 | 10 | 10 | 10 | 12 | 12 | | | | |
| 20 | 20 | 3 00 | 1 00 | 10 | 10 | 10 | 12 | 12 | | | | |
| 28 | 28 | 3 00 | 1 00 | 10 | 10 | 10 | 12 | 12 | | | | |
| 90 | 90 | 2 00 | 1 00 | 10 | 10 | 10 | 12 | 12 | | | | |
| 85 | 85 | 3 00 | 1 25 | 10 | 10 | 10 | 12 | 12 | | | | |
| 10 | 10 | 3 00 | 1 00 | 10 | 10 | 10 | 12 | 12 | | | | |
| 17 | 17 | 3 00 | 1 00 | 10 | 10 | 10 | 12 | 12 | | | | |
| 15 | 15 | 2 00 | 1 50 | 10 | 10 | 10 | 12 | 12 | | | | |
| 40 | 21 | 3 00 | 1 00 | 10 | 10 | 10 | 12 | 12 | | | | |
| 41 | 17 | 2 50 | 1 75 | 10 | 9 | 9½ | 12 | 12 | | | | |
| 44 | 44 | 3 50 | 1 75 | 10 | 10 | 10 | 12 | 12 | | | | |
| 43 | 40 | 3 75 | 2 00 | 10 | 10 | 10 | 12 | 12 | | | | |
| 44 | 25 | 2 50 | 2 00 | 10 | 10 | 10 | 12 | 12 | | | | |
| 45 | 25 | 2 50 | 1 50 | 10 | 10 | 10 | 12 | 12 | | | | |
| 46 | 19 | 2 50 | 1 50 | 10 | 10 | 10 | 12 | 12 | | | | |
| 47 | 18 | 2 00 | 1 00 | 10 | 10 | 10 | 10 | 10 | | | | |
| 48 | 66 | 2 55 | 1 00 | 10 | 10 | 10 | 12 | 12 | | | | |
| 49 | 50 | 3 00 | 85 | 10 | 10 | 10 | 12 | 12 | | | | |
| 50 | 211 | 3 00 | 1 00 | 10 | 10 | 10 | 12 | 12 | | | | |
| 51 | 24 | 3 00 | 1 25 | 10 | 10 | 10 | 12 | 12 | | | | |
| 52 | 10 | 3 00 | 1 50 | 10 | 10 | 10 | 12 | 12 | | | | |
| 53 | 20 | 1 50 | 1 00 | 10 | 10 | 10 | 12 | 12 | | | | |
| 54 | 70 | 2 75 | 1 75 | 10 | 10 | 10 | 12 | 12 | | | | |
| 55 | 90 | 2 50 | 1 00 | 10 | 10 | 10 | 12 | 12 | | | | |
| 56 | 21 | 3 50 | 1 00 | 10 | 10 | 10 | 12 | 12 | | | | |
| 57 | 42 | 3 00 | 1 00 | 10 | 10 | 10 | 12 | 12 | | | | |
| 58 | 60 | 2 50 | 1 00 | 10 | 10 | 10 | 12 | 12 | | | | |
| 59 | 240 | 3 50 | 1 20 | 10 | 10 | 10 | 12 | 12 | | | | |
| 60 | 115 | 1 50 | 1 00 | 10 | 10 | 10 | 12 | 12 | | | | |
| 61 | 20 | 2 00 | 1 00 | 10 | 10 | 10 | 12 | 12 | | | | |
| 62 | 12 | 1 50 | | 10 | 10 | 10 | 12 | 12 | | | | |
| 63 | 11 | 3 00 | 1 50 | 10 | 10 | 10 | 12 | 12 | | | | |
| 64 | 12 | 3 00 | 1 00 | 10 | 10 | 10 | 12 | 12 | | | | |
| 65 | 11 | 2 00 | 1 75 | 10 | 10 | 10 | 12 | 12 | | | | |
| 66 | 100 | 2 75 | 1 00 | 10 | 10 | 10 | 12 | 12 | | | | |
| 67 | 91 | 3 00 | 1 25 | 10 | 10 | 10 | 12 | 12 | | | | |
| 68 | 100 | 2 50 | 1 25 | 10 | 10 | 10 | 12 | 12 | | | | |
| 69 | 44 | 3 00 | 2 18 | 10 | 10 | 10 | 12 | 12 | | | | |
| 70 | 60 | 3 00 | 1 00 | 10 | 10 | 10 | 12 | 12 | | | | |
| 71 | 30 | 2 50 | 75 | 10 | 10 | 10 | 12 | 12 | | | | |
| 72 | 19 | 2 75 | 1 50 | 10 | 10 | 10 | 12 | 12 | | | | |
| 73 | 15 | 3 00 | 2 00 | 10 | 10 | 10 | 12 | 12 | | | | |
| 74 | 22 | 2 50 | 75 | 10 | 10 | 10 | 12 | 12 | | | | |
| 75 | 11 | 3 00 | 1 00 | 10 | 9 | 9½ | 12 | 12 | | | | |
| 76 | 22 | 3 00 | 1 50 | 10 | 10 | 10 | 12 | 12 | | | | |
| 77 | 10 | 3 50 | 1 00 | 8 | 8 | 8 | 12 | 12 | | | | |
| 78 | 7 | 3 50 | | 8 | 8 | 8 | 12 | 12 | | | | |
| 79 | 10 | 3 00 | 2 00 | 8 | 8 | 8 | 12 | 12 | | | | |
| 80 | 20 | 2 50 | 2 00 | 9 | 9 | 9 | 12 | 12 | | | | |
| 81 | 10 | 4 00 | 2 50 | 8 | 8 | 8 | 12 | 12 | | | | |
| 82 | 15 | 2 50 | 2 00 | 9 | 9 | 9 | 12 | 12 | | | | |
| 83 | 10 | 3 00 | 1 75 | 10 | 10 | 10 | 12 | 12 | | | | |
| 84 | 20 | 2 50 | 2 00 | 10 | 10 | 10 | 9 | 9 | | | | 3 |

Printing and Publishing—Continued.

| Number of establishment. | Average number of employees. | AVERAGE DAY'S WAGES FOR | | HOURS OF LABOR. | | | No. of months employed in each establishment. | TIME EMPLOYED, IN MONTHS. | | | |
|--------------------------|------------------------------|-------------------------|--------------------|-----------------|--------------|-----------------|---|---------------------------|---------------------|---------------------|---------------------|
| | | Skilled Mechanics | Ordinary Laborers. | May to Nov. | Nov. to May. | Yearly Average. | | Full time. | $\frac{3}{4}$ time. | $\frac{1}{2}$ time. | $\frac{1}{4}$ time. |
| 85 | 78 | \$4 00 | \$2 00 | 9 | 9 | 9 | 12 | 12 | | | |
| 86 | 24 | 2 75 | 1 00 | 10 | 10 | 10 | 12 | 12 | | | |
| 87 | 26 | 3 00 | 1 00 | 10 | 10 | 10 | 12 | 12 | | | |
| 88 | 19 | 2 50 | 1 50 | 10 | 10 | 10 | 12 | 12 | | | |
| 89 | 75 | 6 00 | 2 00 | 9 | 9 | 9 | 12 | 12 | | | |
| 90 | 12 | 2 50 | 1 33 | 10 | 10 | 10 | 12 | 12 | | | |
| 91 | 42 | 3 50 | 1 50 | 9 | 9 | 9 | 12 | 12 | | | |
| 92 | 16 | 2 40 | 1 00 | 10 | 10 | 10 | 12 | 12 | | | |
| 93 | 15 | 2 00 | 1 25 | 10 | 10 | 10 | 12 | 12 | | | |
| 94 | 18 | 2 50 | 1 25 | 10 | 10 | 10 | 12 | 12 | | | |
| 95 | 20 | 3 00 | 2 25 | 10 | 10 | 10 | 12 | 12 | | | |
| 96 | 14 | 2 00 | 1 25 | 10 | 10 | 10 | 12 | 12 | | | |
| 97 | 20 | 2 50 | 1 75 | 10 | 10 | 10 | 12 | 12 | | | |
| 98 | 18 | 2 00 | 1 00 | 10 | 10 | 10 | 12 | 12 | | | |
| 99 | 20 | 1 75 | 1 00 | 9 | 9 | 9 | 12 | 12 | | | |
| 100 | 15 | 2 50 | 1 00 | 10 | 10 | 10 | 12 | 12 | | | |
| 101 | 30 | 2 33 | 1 00 | 10 | 10 | 10 | 12 | 11 | 1 | | |
| 102 | 13 | 2 00 | 1 50 | 12 | 12 | 12 | 12 | 12 | | | |
| 103 | 12 | 2 50 | 1 00 | 8 | 8 | 8 | 12 | 12 | | | |
| 104 | 8 | 2 00 | | 10 | 10 | 10 | 12 | 12 | | | |
| 105 | 51 | 2 50 | 1 00 | 10 | 10 | 10 | 12 | 12 | | | |
| 106 | 35 | 3 00 | 1 00 | 10 | 10 | 10 | 12 | 12 | | | |
| 107 | 15 | 2 00 | 1 00 | 10 | 10 | 10 | 12 | 12 | | | |
| 108 | 30 | 2 00 | 75 | 10 | 10 | 10 | 12 | 12 | | | |
| 109 | 11 | 2 50 | 1 50 | 10 | 10 | 10 | 12 | 12 | | | |
| 110 | 11 | 2 00 | 1 50 | 10 | 10 | 10 | 12 | 12 | | | |
| 111 | 25 | 2 75 | 1 00 | 10 | 10 | 10 | 12 | 12 | | | |
| 112 | 65 | 2 00 | 50 | 10 | 10 | 10 | 6 | 6 | | | |
| 113 | 44 | 3 00 | 1 25 | 10 | 10 | 10 | 12 | 12 | | | |
| 114 | 28 | 3 00 | 1 50 | 10 | 10 | 10 | 12 | 12 | | | |
| 115 | 29 | 2 00 | 1 00 | 10 | 10 | 10 | 12 | 12 | | | |
| 116 | 17 | 2 00 | | 10 | 10 | 10 | 12 | 12 | | | |
| 117 | 35 | 2 42 | 1 25 | 10 | 10 | 10 | 12 | 12 | | | |
| 118 | 24 | 1 75 | 1 25 | 10 | 10 | 10 | 12 | 12 | | | |
| 119 | 15 | 1 75 | | 10 | 10 | 10 | 12 | 12 | | | |
| 120 | 19 | 2 00 | 1 00 | 10 | 10 | 10 | 12 | 12 | | | |
| 121 | 19 | 1 50 | 1 00 | 10 | 10 | 10 | 12 | 12 | | | |
| 122 | 12 | 2 00 | 1 00 | 10 | 10 | 10 | 12 | 12 | | | |
| 123 | 31 | 3 50 | 1 50 | 10 | 9 | 9½ | 12 | 12 | | | |

RAILROAD AND OTHER CARS AND MATERIALS.

| | | | | | | | | | | | |
|----|-----|--------|--------|----|----|----|----|----|---|--|--|
| 1 | 120 | \$2 50 | \$1 50 | 10 | 10 | 10 | 12 | 12 | | | |
| 2 | 30 | 4 00 | 1 75 | 10 | 10 | 10 | 12 | 12 | | | |
| 3 | 140 | 2 50 | 1 25 | 10 | 10 | 10 | 12 | 12 | | | |
| 4 | 16 | 2 50 | 1 50 | 10 | 9 | 9½ | 10 | 10 | | | |
| 5 | 430 | 2 40 | 1 25 | 10 | 10 | 10 | 12 | 12 | | | |
| 6 | 29 | 2 50 | 1 75 | 10 | 10 | 10 | 12 | 12 | | | |
| 7 | 100 | 2 25 | 2 00 | 10 | 10 | 10 | 12 | 12 | | | |
| 8 | 72 | 2 00 | 1 50 | 10 | 10 | 10 | 12 | 12 | | | |
| 9 | 20 | 2 25 | | 10 | 9 | 9½ | 12 | 12 | | | |
| 10 | 40 | 2 00 | 1 10 | 10 | 10 | 10 | 10 | 10 | | | |
| 11 | 35 | 2 25 | 1 00 | 9 | 9 | 9 | 12 | 12 | | | |
| 12 | 380 | 2 25 | 1 15 | 10 | 8 | 9 | 12 | 10 | 2 | | |
| 13 | 124 | 2 00 | 1 00 | 10 | 10 | 10 | 12 | 12 | | | |
| 14 | 51 | 2 50 | 1 75 | 10 | 10 | 10 | 12 | 12 | | | |

SOAPS.

| Number of employees. | Average number of employees. | AVERAGE DAY'S WAGES FOR | | HOURS OF LABOR. | | | No. of months employed in each establishment. | TIME EMPLOYED, IN MONTHS. | | | | |
|----------------------|------------------------------|-------------------------|--------------------|-----------------|--------------|-----------------|---|---------------------------|---------------------|---------------------|---------------------|-------|
| | | Skilled Mechan's. | Ordinary Laborers. | May to Nov. | Nov. to May. | Yearly Average. | | Full time. | $\frac{3}{4}$ time. | $\frac{1}{2}$ time. | $\frac{1}{4}$ time. | Idle. |
| 1 | 250 | \$2 50 | \$1 00 | 10 | 10 | 10 | 12 | 12 | | | | |
| 2 | 30 | 3 00 | 1 50 | 10 | 10 | 10 | 12 | 12 | | | | |
| 3 | 12 | 2 00 | 1 50 | 10 | 10 | 10 | 12 | 12 | | | | |
| 4 | 30 | 2 75 | 1 50 | 10 | 10 | 10 | 12 | 12 | | | | |
| 5 | 45 | 1 75 | 75 | 10 | 10 | 10 | 12 | 12 | | | | |
| 6 | 43 | 5 00 | 1 25 | 10 | 10 | 10 | 12 | 12 | | | | |
| 7 | 10 | 3 00 | 1 00 | 10 | 10 | 10 | 12 | 12 | | | | |
| 8 | 12 | 2 50 | 1 50 | 10 | 10 | 10 | 12 | 12 | | | | |
| 9 | 9 | 3 00 | 2 00 | 10 | 10 | 10 | 12 | 12 | | | | |
| 10 | 15 | 2 00 | 1 00 | 10 | 10 | 10 | 12 | 12 | | | | |

STONE.

| | | | | | | | | | | | | |
|----|-----|--------|--------|----|----|-----------------|----|----|---|---|---|---|
| 1 | 50 | \$2 25 | \$1 00 | 10 | 10 | 10 | 9 | 9 | | | | 3 |
| 2 | 90 | 2 50 | 1 50 | 10 | 8 | 9 | 12 | 9 | 3 | | | |
| 3 | 40 | 3 00 | 1 75 | 8 | 8 | 8 | 12 | 10 | 2 | | | |
| 4 | 50 | 3 00 | 1 60 | 9 | 9 | 9 | 11 | 8 | 2 | | 1 | |
| 5 | 100 | 3 00 | 1 25 | 9 | 10 | 9 $\frac{1}{2}$ | 8 | 6 | 2 | | | 4 |
| 6 | 120 | 2 50 | 1 40 | 10 | 9 | 9 $\frac{1}{2}$ | 12 | 10 | 2 | | | |
| 7 | 60 | 3 00 | 1 60 | 10 | 9 | 9 $\frac{1}{2}$ | 12 | 9 | 1 | 1 | 1 | |
| 8 | 35 | 2 50 | 1 50 | 8 | 8 | 8 | 12 | 12 | | | | |
| 9 | 14 | 3 00 | 1 75 | 8 | 8 | 8 | 10 | 10 | | | | 2 |
| 10 | 27 | 2 50 | 1 50 | 10 | 10 | 10 | 12 | 12 | | | | |
| 11 | 25 | 3 00 | 1 50 | 8 | 8 | 8 | 12 | 12 | | | | |
| 12 | 25 | 3 00 | 1 00 | 8 | 8 | 8 | 9 | 9 | | | | 3 |
| 13 | 22 | 2 50 | 1 00 | 8 | 10 | 9 | 12 | 12 | | | | |
| 14 | 10 | 2 50 | 1 50 | 8 | 8 | 8 | 10 | 10 | | | | 2 |
| 15 | 12 | 3 00 | 1 50 | 8 | 8 | 8 | 12 | 12 | | | | |
| 16 | 40 | 2 00 | 1 75 | 10 | 10 | 10 | 11 | 11 | | | | 1 |
| 17 | 15 | 2 20 | 1 40 | 10 | 8 | 9 | 12 | 12 | | | | |
| 18 | 40 | 2 00 | 1 50 | 10 | 8 | 9 | 12 | 8 | 4 | | | |
| 19 | 24 | 3 00 | 2 00 | 8 | 8 | 8 | 10 | 10 | | | | 2 |
| 20 | 15 | 2 50 | 2 00 | 10 | 8 | 9 | 12 | 8 | 4 | | | |
| 21 | 16 | 2 00 | 1 50 | 10 | 10 | 10 | 12 | 12 | | | | |
| 22 | 18 | 2 25 | 1 50 | 10 | 10 | 10 | 6 | 6 | | | | 6 |
| 23 | 7 | 3 00 | 1 50 | 10 | 10 | 10 | 12 | 12 | | | | |
| 24 | 12 | 3 00 | | 10 | 10 | 10 | 12 | 12 | | | | |
| 25 | 13 | 2 00 | 1 50 | 10 | 10 | 10 | 12 | 11 | | | 1 | |
| 26 | 12 | 2 50 | 1 66 | 10 | 10 | 10 | 12 | 12 | | | | |
| 27 | 7 | 2 25 | 1 50 | 10 | 10 | 10 | 12 | 12 | | | | |
| 28 | 10 | 2 50 | 1 75 | 10 | 8 | 9 | 9 | 7 | | | 2 | 3 |
| 29 | 10 | 2 25 | 1 25 | 10 | 9 | 9 $\frac{1}{2}$ | 12 | 9 | 3 | | | |
| 30 | 65 | 3 50 | 51 | 10 | 9 | 9 $\frac{1}{2}$ | 12 | 12 | | | | |
| 31 | 50 | 3 00 | 50 | 10 | 9 | 9 $\frac{1}{2}$ | 12 | 12 | | | | |

TOBACCO.

| | | | | | | | | | | | | |
|---|-----|--------|--------|----|----|-----------------|----|----|----|--|--|---|
| 1 | 173 | \$2 00 | \$1 00 | 10 | 10 | 10 | 11 | 11 | | | | 1 |
| 2 | 115 | 2 00 | 1 00 | 10 | 9 | 9 $\frac{1}{2}$ | 8 | 8 | | | | 4 |
| 3 | 125 | 2 25 | 1 00 | 10 | 10 | 10 | 12 | 12 | | | | |
| 4 | 160 | 2 00 | 1 00 | 10 | 10 | 10 | 12 | 12 | 12 | | | |
| 5 | 33 | 2 50 | 1 00 | 10 | 10 | 10 | 12 | 12 | | | | |
| 6 | 60 | 2 00 | 60 | 10 | 10 | 10 | 12 | 12 | | | | |
| 7 | 375 | 2 50 | 1 25 | 10 | 9 | 9 $\frac{1}{2}$ | 12 | 12 | | | | |

STATISTICS OF LABOR.

VESSELS, SAILS, ETC.

| Number of es- tablishment.. | Average num- ber of em- ployes | AVERAGE DAY'S WAGES FOR | | HOURS OF LABOR. | | | No. of months employed in each estab- lishment | TIME EMPLOYED, IN MONTHS. | | | |
|--------------------------------|--|----------------------------|-----------------------|-------------------|--------------------|-------------------------|---|------------------------------|------------|------------|------------|
| | | Skilled Mechanics | Ordinary Laborers. | May to Nov. | Nov. to May. | Yearly Aver- age. | | Full time. | % time. | % time. | % time. |
| 1 | 80 | \$2 50 | \$1 50 | 10 | 10 | 10 | 12 | 12 | | | |
| 2 | 60 | 2 50 | 1 75 | 10 | 10 | 10 | 12 | 12 | | | |
| 3 | 40 | 3 00 | 1 50 | 10 | 8 | 9 | 8 | 12 | | | |
| 4 | 82 | 2 50 | 1 00 | 10 | 10 | 10 | 12 | 12 | | | |
| 5 | 12 | 2 50 | | 10 | 9 | 9½ | 10 | 10 | | | |
| 6 | 22 | 3 00 | 50 | 10 | 10 | 10 | 12 | 12 | | | |
| 7 | 10 | 2 50 | 1 50 | 10 | 10 | 10 | 12 | 12 | | | |
| 8 | 12 | 3 00 | 1 50 | 10 | 10 | 10 | 10 | 10 | | | |
| 9 | 30 | 3 00 | 1 50 | 10 | 10 | 10 | 10 | 10 | | | |
| 10 | 11 | 2 50 | 1 25 | 10 | 10 | 10 | 12 | 12 | | | |
| 11 | 42 | 2 50 | 1 25 | 10 | 10 | 10 | 11 | 11 | | | |

WOODEN GOODS.

| | | | | | | | | | | | |
|----|-----|--------|--------|----|----|----|----|----|---|---|---|
| 1 | 50 | \$3 00 | \$1 05 | 10 | 10 | 10 | 9 | 6 | | | 3 |
| 2 | 31 | 2 00 | 1 00 | 10 | 10 | 10 | 11 | 11 | | | |
| 3 | 35 | 2 00 | 1 00 | 10 | 10 | 10 | 11 | 11 | | | |
| 4 | 23 | 2 50 | 1 00 | 10 | 10 | 10 | 12 | 12 | | | |
| 5 | 12 | 2 00 | 1 50 | 10 | 10 | 9½ | 12 | 12 | | | |
| 6 | 17 | 2 00 | 1 35 | 10 | 10 | 10 | 12 | 12 | | | |
| 7 | 60 | 2 50 | 1 00 | 10 | 10 | 10 | 12 | 12 | | | |
| 8 | 60 | 2 50 | 1 25 | 10 | 10 | 10 | 12 | 12 | | | |
| 9 | 70 | 2 25 | 1 00 | 10 | 9 | 9½ | 12 | 10 | 2 | | |
| 10 | 33 | 2 00 | 1 00 | 10 | 8 | 9 | 12 | 11 | | 1 | |
| 11 | 28 | 2 25 | 1 10 | 10 | 10 | 10 | 12 | 12 | | | |
| 12 | 25 | 2 00 | 1 75 | 10 | 10 | 10 | 12 | 12 | | | |
| 13 | 30 | 2 00 | 1 50 | 10 | 10 | 9 | 12 | 12 | | | |
| 14 | 160 | 2 25 | 1 00 | 9 | 10 | 9½ | 12 | 12 | | | |
| 15 | 15 | 2 00 | 1 25 | 10 | 10 | 10 | 12 | 12 | | | |
| 16 | 45 | 2 50 | 1 25 | 10 | 10 | 10 | 12 | 12 | | | |
| 17 | 65 | 2 50 | 1 25 | 10 | 10 | 10 | 12 | 12 | | | |
| 18 | 9 | 2 25 | 2 00 | 10 | 10 | 10 | 12 | 10 | 2 | | |
| 19 | 80 | 2 00 | 1 75 | 10 | 10 | 10 | 12 | 12 | | | |
| 20 | 25 | 1 75 | 1 25 | 10 | 10 | 10 | 12 | 12 | | | |
| 21 | 90 | 2 00 | 1 25 | 10 | 10 | 10 | 12 | 12 | | | |
| 22 | 30 | 2 25 | 1 25 | 10 | 9 | 9½ | 12 | 12 | | | |
| 23 | 50 | 1 00 | 1 15 | 10 | 9 | 9½ | 12 | 12 | | | |
| 24 | 48 | 1 50 | 1 25 | 10 | 10 | 10 | 12 | 11 | 1 | | |
| 25 | 56 | 1 75 | 1 25 | 10 | 8 | 9 | 12 | 7 | 5 | | |
| 26 | 37 | 1 75 | 1 25 | 10 | 10 | 10 | 12 | 12 | | | |
| 27 | 30 | 3 00 | 1 50 | 10 | 9 | 9½ | 12 | 12 | | | |
| 28 | 50 | 2 50 | 1 50 | 10 | 9 | 9½ | 12 | 12 | | | |
| 29 | 27 | 2 25 | 1 75 | 10 | 8 | 9 | 12 | 10 | 2 | | |
| 30 | 15 | 2 50 | 1 00 | 10 | 8 | 9 | 12 | 12 | | | |
| 31 | 38 | 2 50 | 1 75 | 10 | 8 | 9 | 12 | 12 | | | |
| 32 | 30 | 2 00 | 1 75 | 10 | 10 | 10 | 12 | 12 | | | |
| 33 | 25 | 2 00 | 1 25 | 10 | 9 | 9½ | 12 | 12 | | | |
| 34 | 33 | 2 50 | 1 25 | 10 | 9 | 9½ | 12 | 9 | 3 | | |
| 35 | 525 | 2 25 | 1 00 | 10 | 9 | 9½ | 12 | 8 | 2 | 2 | |
| 36 | 190 | 2 00 | 1 25 | 10 | 10 | 10 | 12 | 12 | | | |
| 37 | 52 | 2 37 | 1 35 | 10 | 10 | 10 | 12 | 12 | | | |
| 38 | 40 | 2 50 | 1 60 | 10 | 10 | 9½ | 12 | 8 | 4 | | |
| 39 | 250 | 2 00 | 1 50 | 10 | 9 | 9½ | 12 | 9 | 3 | | |
| 40 | 65 | 2 25 | 1 37 | 10 | 9 | 9½ | 12 | 12 | | | |
| 41 | 40 | 2 25 | 1 00 | 10 | 9 | 9½ | 12 | 9 | 3 | | |
| 42 | 60 | 2 25 | 1 37 | 10 | 9 | 9½ | 12 | 9 | 3 | | |
| 43 | 87 | 2 00 | 1 25 | 10 | 10 | 10 | 12 | 12 | | | |
| 44 | 16 | 1 75 | 1 50 | 10 | 9 | 9½ | 12 | 10 | | | |
| 45 | 15 | 2 50 | | 10 | 10 | 10 | 12 | 9 | | 3 | 2 |
| 46 | 15 | 2 50 | 1 50 | 10 | 10 | 10 | 12 | 12 | | | |
| 47 | 20 | 2 00 | 1 25 | 10 | 8 | 9 | 12 | 12 | | | |

Wooden Goods—Continued.

| No. of establishment | Average num- ber of em- ployed in the month | AVERAGE DAY'S WAGES FOR | | HOURS OF LABOR. | | | No. of months employed in each estab- lishment..... | TIME EMPLOYED, IN MONTHS. | | | | |
|-------------------------|--|----------------------------|-----------------------|-------------------|--------------------|-------------------------|--|------------------------------|--------------|--------------|--------------|-------|
| | | Skilled Mechanics | Ordinary Laborers. | May to Nov. | Nov. to May. | Yearly Aver- age. | | Full time. | 3/4 time. | 1/2 time. | 1/4 time. | Idle |
| 12 | 12 | \$1 75 | ..... | 10 | 10 | 10 | 12 | 12 | ..... | ..... | ..... | ..... |
| 30 | 30 | 2 00 | \$1 00 | 10 | 10 | 10 | 12 | 12 | ..... | ..... | ..... | ..... |
| 15 | 15 | 2 00 | 1 50 | 10 | 10 | 10 | 12 | 12 | ..... | ..... | ..... | ..... |
| 30 | 30 | 1 58 | ..... | 10 | 10 | 10 | 12 | 12 | ..... | ..... | ..... | ..... |
| 25 | 25 | 2 50 | 1 50 | 10 | 10 | 10 | 12 | 12 | ..... | ..... | ..... | ..... |
| 16 | 16 | ..... | 1 50 | 10 | 10 | 10 | 12 | 12 | ..... | ..... | ..... | ..... |
| 12 | 12 | 2 00 | ..... | 10 | 8 | 9 | 12 | 12 | ..... | ..... | ..... | ..... |
| 18 | 18 | 1 75 | 1 50 | 10 | 10 | 10 | 11 | 11 | ..... | ..... | ..... | 1 |
| 13 | 13 | 1 50 | ..... | 12 | 10 | 11 | 12 | 12 | ..... | ..... | ..... | ..... |
| 90 | 90 | 1 50 | ..... | 10 | 10 | 10 | 12 | 12 | ..... | ..... | ..... | ..... |
| 60 | 60 | 2 00 | 1 00 | 10 | 10 | 10 | 12 | 12 | ..... | ..... | ..... | ..... |
| 18 | 18 | 1 75 | 1 55 | 10 | 8 | 9 | 12 | 12 | ..... | ..... | ..... | ..... |
| 30 | 30 | 1 75 | 1 25 | 10 | 10 | 10 | 12 | 12 | ..... | ..... | ..... | ..... |
| 28 | 28 | 2 00 | 1 50 | 10 | 10 | 10 | 12 | 12 | ..... | ..... | ..... | ..... |
| 17 | 17 | 1 75 | 1 25 | 10 | 10 | 10 | 10 | 10 | ..... | ..... | ..... | 2 |
| 12 | 12 | 1 50 | ..... | 10 | 10 | 10 | 12 | 12 | ..... | ..... | ..... | ..... |
| 20 | 20 | 1 75 | 1 50 | 10 | 10 | 10 | 10 | 10 | ..... | ..... | ..... | 2 |
| 20 | 20 | 2 00 | ..... | 10 | 10 | 10 | 12 | 12 | ..... | ..... | ..... | ..... |
| 15 | 15 | 1 50 | ..... | 10 | 10 | 10 | 12 | 12 | ..... | ..... | ..... | ..... |
| 22 | 22 | 2 00 | 1 25 | 10 | 8 | 9 | 12 | 12 | ..... | ..... | ..... | ..... |
| 20 | 20 | 2 00 | ..... | 10 | 10 | 10 | 12 | 12 | ..... | ..... | ..... | ..... |
| 45 | 45 | 2 50 | 1 75 | 10 | 8 | 9 | 12 | 12 | ..... | ..... | ..... | ..... |
| 80 | 80 | 2 25 | 1 25 | 10 | 9 | 9 1/2 | 11 | 9 | 2 | ..... | ..... | 1 |
| 13 | 13 | 1 25 | ..... | 10 | 10 | 10 | 12 | 12 | ..... | ..... | ..... | ..... |
| 15 | 15 | 1 75 | 1 00 | 10 | 10 | 10 | 12 | 12 | ..... | ..... | ..... | ..... |
| 26 | 26 | 2 25 | 1 00 | 10 | 9 | 9 1/2 | 12 | 12 | ..... | ..... | ..... | ..... |
| 15 | 15 | 2 00 | 1 25 | 10 | 9 | 9 1/2 | 12 | 12 | ..... | ..... | ..... | ..... |
| 20 | 20 | 2 50 | 1 25 | 10 | 10 | 10 | 12 | 12 | ..... | ..... | ..... | ..... |
| 12 | 12 | 2 00 | 1 25 | 10 | 9 | 9 1/2 | 12 | 12 | ..... | ..... | ..... | ..... |
| 15 | 15 | 2 10 | 1 50 | 10 | 8 | 9 | 11 | 6 | 5 | ..... | ..... | 1 |
| 15 | 15 | 2 00 | ..... | 10 | 8 | 9 | 11 | 7 | ..... | 4 | ..... | 1 |
| 30 | 30 | 1 50 | ..... | 10 | 10 | 10 | 10 | 8 | ..... | 2 | ..... | 2 |
| 24 | 24 | 1 50 | ..... | 12 | 12 | 12 | 6 | 6 | ..... | ..... | ..... | 6 |
| 11 | 11 | 1 50 | 1 13 | 11 | 11 | 11 | 12 | 12 | ..... | ..... | ..... | ..... |
| 26 | 26 | 2 00 | ..... | 10 | 10 | 10 | 12 | 12 | ..... | ..... | ..... | ..... |
| 30 | 30 | 1 50 | 1 25 | 10 | 10 | 10 | 12 | 12 | ..... | ..... | ..... | ..... |
| 20 | 20 | 1 75 | ..... | 10 | 10 | 10 | 12 | 12 | ..... | ..... | ..... | ..... |
| 40 | 40 | 1 50 | 1 00 | 10 | 10 | 10 | 12 | 12 | ..... | ..... | ..... | ..... |
| 42 | 42 | 1 75 | 1 25 | 10 | 10 | 10 | 12 | 12 | ..... | ..... | ..... | ..... |
| 23 | 23 | 1 75 | ..... | 10 | 10 | 10 | 12 | 12 | ..... | ..... | ..... | ..... |
| 15 | 15 | 3 00 | 2 00 | 10 | 10 | 10 | 12 | 6 | ..... | ..... | 6 | ..... |
| 16 | 16 | 2 50 | 1 00 | 10 | 8 | 9 | 12 | 12 | ..... | ..... | ..... | ..... |
| 84 | 84 | 2 00 | 1 25 | 10 | 8 | 9 | 12 | 12 | ..... | ..... | ..... | ..... |
| 33 | 33 | 2 00 | 1 50 | 10 | 9 | 9 1/2 | 12 | 12 | ..... | ..... | ..... | ..... |
| 18 | 18 | 1 50 | 1 00 | 10 | 10 | 10 | 12 | 12 | ..... | ..... | ..... | ..... |
| 13 | 13 | 1 50 | ..... | 10 | 10 | 10 | 12 | 12 | ..... | ..... | ..... | ..... |
| 30 | 30 | 1 75 | 1 50 | 10 | 10 | 10 | 12 | 12 | ..... | ..... | ..... | ..... |
| 15 | 15 | 1 50 | ..... | 10 | 10 | 10 | 11 | 11 | ..... | ..... | ..... | 1 |
| 14 | 14 | 1 50 | ..... | 10 | 10 | 10 | 9 | 9 | ..... | ..... | ..... | 3 |
| 12 | 12 | 1 25 | ..... | 10 | 10 | 10 | 12 | 6 | ..... | 6 | ..... | ..... |
| 14 | 14 | 2 00 | ..... | 10 | 10 | 10 | 11 | 11 | ..... | ..... | ..... | 1 |
| 10 | 10 | 2 25 | 1 75 | 10 | 10 | 10 | 12 | 12 | ..... | ..... | ..... | ..... |
| 22 | 22 | 2 00 | 1 50 | 12 | 10 | 11 | 12 | 12 | ..... | ..... | ..... | ..... |
| 25 | 25 | 1 75 | 1 25 | 10 | 9 | 9 1/2 | 12 | 6 | 6 | ..... | ..... | ..... |
| 16 | 16 | 2 00 | 1 50 | 10 | 10 | 10 | 12 | 12 | ..... | ..... | ..... | ..... |
| 15 | 15 | 2 00 | 1 25 | 10 | 8 | 9 | 12 | 6 | 6 | ..... | ..... | ..... |
| 175 | 175 | 3 00 | 50 | 10 | 9 | 9 1/2 | 12 | 12 | ..... | ..... | ..... | ..... |
| 15 | 15 | 2 75 | 2 00 | 10 | 8 | 9 | 12 | 12 | ..... | ..... | ..... | ..... |

CLASSIFIED WAGES OF LABOR.

In the following tables are shown the wages paid to skilled mechanics and to ordinary laborers, classified by average daily wages for each industry. The figures here used are drawn of course from the preceding table of Time and Wages. These succeeding tables present in a very clear manner the wages paid in all the different industries, and the number of establishments paying each particular rate. It will be seen that 67 different rates of daily wages, running from fifty cents to six dollars, obtain among skilled mechanics; and 48 different rates, running from thirty cents to three dollars, among ordinary laborers. The industry with the widest range in this respect is the manufacture of clothing, there being one establishment of this kind with the lowest, and one with the highest rate.

CLASSIFIED WAGES OF SKILLED

| NUMBER OF ESTABLISHMENTS IN— | |
|---|---|
| | |
| Furniture..... | 2 |
| Food Preparations..... | 1 |
| Flour and Meal..... | 1 |
| Drugs and Medi- cines..... | 1 |
| Cured and Packed Meats..... | 1 |
| Cooking and Heat- ing Apparatus..... | 1 |
| Clothing..... | 1 |
| Clocks and Watches | 1 |
| Cigars..... | 1 |
| Chemical Prepara- tions..... | 1 |
| Carriages and Wag- ons..... | 1 |
| Buildings..... | 1 |
| Brooms and Brushes | 1 |
| Brick..... | 1 |
| Boxes..... | 1 |
| Boots and Shoes... | 1 |
| Agricultural Imple- ments..... | 1 |
| Average Daily Wages ... | 1 |

Mechanics, in Detail—Continued.

| Average Daily Wages... | NUMBER OF ESTABLISHMENTS IN— | | | | | | | | | | | | | | Totals |
|------------------------|------------------------------|-------------|-----------------------------|-----------|--------------------------------|--|----------------------|------------|---------------------------------------|------------------------------|--|-----------|------------|--------------|--------------|
| | Leather..... | Lumber..... | Machines and Machinery..... | Malt..... | Metals and Metallic Goods..... | Musical Instruments and Musical Boxes..... | Paints and Oils..... | Paper..... | Photographs and other Likenesses..... | Printing and Publishing..... | Railroad and other Cars and Materials..... | Soap..... | Stone..... | Tobacco..... | |
| \$1.00 | | | | | | | | | | | | | | | 1 |
| 95 | | | | | | | | | | | | | | | 1 |
| 90 | | | | | | | | | | | | | | | 24 |
| 85 | | | | | | | | | | | | | | | 1 |
| 80 | | | | | | | | | | | | | | | 2 |
| 75 | | | | | | | | | | | | | | | 10 |
| 70 | | | | | | | | | | | | | | | 2 |
| 65 | | | | | | | | | | | | | | | 37 |
| 60 | | | | | | | | | | | | | | | 16 |
| 55 | | | | | | | | | | | | | | | 16 |
| 50 | | | | | | | | | | | | | | | 1666 |
| 45 | | | | | | | | | | | | | | | |
| 40 | | | | | | | | | | | | | | | |
| 35 | | | | | | | | | | | | | | | |
| 30 | | | | | | | | | | | | | | | |
| 25 | | | | | | | | | | | | | | | |
| 20 | | | | | | | | | | | | | | | |
| 15 | | | | | | | | | | | | | | | |
| 10 | | | | | | | | | | | | | | | |
| 5 | | | | | | | | | | | | | | | |
| Not given | | | | | | | | | | | | | | | |
| Totals | 39 | 46 | 87 | 9 | 197 | 10 | 16 | 22 | 9 | 123 | 14 | 10 | 31 | 7 | 11 |

LABORERS, IN DETAIL.

| Average Daily Wages... | NUMBER OF ESTABLISHMENTS IN— | | | | | | | | | | | | | | Totals |
|------------------------|------------------------------|-------------|-----------------------------|-----------|--------------------------------|--|----------------------|------------|---------------------------------------|------------------------------|--|-----------|------------|--------------|--------------|
| | Leather..... | Lumber..... | Machines and Machinery..... | Malt..... | Metals and Metallic Goods..... | Musical Instruments and Musical Boxes..... | Paints and Oils..... | Paper..... | Photographs and other Likenesses..... | Printing and Publishing..... | Railroad and other Cars and Materials..... | Soap..... | Stone..... | Tobacco..... | |
| \$1.00 | | | | | | | | | | | | | | | 1 |
| 95 | | | | | | | | | | | | | | | 1 |
| 90 | | | | | | | | | | | | | | | 1 |
| 85 | | | | | | | | | | | | | | | 1 |
| 80 | | | | | | | | | | | | | | | 1 |
| 75 | | | | | | | | | | | | | | | 1 |
| 70 | | | | | | | | | | | | | | | 1 |
| 65 | | | | | | | | | | | | | | | 1 |
| 60 | | | | | | | | | | | | | | | 1 |
| 55 | | | | | | | | | | | | | | | 1 |
| 50 | | | | | | | | | | | | | | | 1 |
| 45 | | | | | | | | | | | | | | | 1 |
| 40 | | | | | | | | | | | | | | | 1 |
| 35 | | | | | | | | | | | | | | | 1 |
| 30 | | | | | | | | | | | | | | | 1 |
| 25 | | | | | | | | | | | | | | | 1 |
| 20 | | | | | | | | | | | | | | | 1 |
| 15 | | | | | | | | | | | | | | | 1 |
| 10 | | | | | | | | | | | | | | | 1 |
| 5 | | | | | | | | | | | | | | | 1 |
| Not given | | | | | | | | | | | | | | | 1 |
| Totals | 39 | 46 | 87 | 9 | 197 | 10 | 16 | 22 | 9 | 123 | 14 | 10 | 31 | 7 | 11 |

The detailed exhibits of the last two tables may be condensed as shown in the next. Here we find, in relation to the skilled workers, that 208 establishments, or 12+ per cent. of the whole, pay an average daily wage of \$1.75 or less; that 844 establishments, or 50+ per cent., pay \$2.25 or less; that 1,265 establishments, or 76 per cent., pay \$2.50 or less, and that the number of establishments paying \$3.00 or more per day is but 272, or 16+ per cent. As to the ordinary laborers, 853 establishments, or 51+ per cent., pay less than \$1.50, and 418 establishments, or 25+ per cent., pay exactly \$1.50. The second table—Classified Wages of Employés, by Industries—exhibits the establishments by two rates of pay each for the skilled and unskilled classes.

CLASSIFIED WAGES OF EMPLOYES, BY GROUPS.

| Average Daily Wage. | ESTABLISHMENTS. | |
|-------------------------------------|--------------------|--------------------|
| | Skilled Mechanics. | Ordinary Laborers. |
| Under \$1..... | 4 | 60 |
| \$1 to \$1.50..... | 24 | 793 |
| \$1.50..... | 67 | 418 |
| Above \$1.50, but under \$1.75..... | 10 | 36 |
| \$1.75..... | 103 | 99 |
| Above \$1.75, but under \$2..... | 14 | 1 |
| \$2..... | 409 | 95 |
| Above \$2, but under \$2.25..... | 10 | 1 |
| \$2.25..... | 203 | 5 |
| Above \$2.25, but under \$2.50..... | 19 | ..... |
| \$2.50..... | 402 | 3 |
| Above \$2.50, but under \$3..... | 92 | ..... |
| \$3..... | 186 | 2 |
| Above \$3..... | 86 | ..... |
| Not given..... | 37 | 153 |
| Totals..... | 1,666 | 1,666 |

CLASSIFIED WAGES OF EMPLOYES BY INDUSTRIES.

| Industries. | ESTABLISHMENTS PAYING SKILLED MECHANICS AN AVERAGE DAILY WAGE— | | | ESTABLISHMENTS PAYING ORDINARY LABORERS AN AVERAGE DAILY WAGE— | | |
|------------------------------|--|----------------------|------------|--|----------------------|------------|
| | Less than \$2.50..... | \$2.50 and over..... | Total..... | Less than \$1.50..... | \$1.50 and over..... | Total..... |
| Agricultural implements..... | 58 | 16 | 74 | 54 | 20 | 74 |
| Boots and shoes..... | 22 | 8 | 30 | 20 | 10 | 30 |
| Boxes..... | 18 | 13 | 31 | 25 | 7 | 32 |
| Brick..... | 27 | 23 | 50 | 17 | 23 | 40 |
| Brooms and brushes..... | 7 | 1 | 8 | 6 | ..... | 6 |
| Buildings..... | 56 | 51 | 107 | 25 | 72 | 97 |

Classified Wages of Employees by Industries--Continued.

| Industries. | ESTABLISHMENTS PAYING SKILLED MECHANICS AN AVERAGE DAILY WAGE— | | | ESTABLISHMENTS PAYING ORDINARY LABORERS AN AVERAGE DAILY WAGE— | | |
|--|--|----------------------|------------|--|----------------------|------------|
| | Less than \$2.50..... | \$2.50 and over..... | Total..... | Less than \$1.50..... | \$1.50 and over..... | Total..... |
| Carriages and wagons..... | 53 | 30 | 83 | 50 | 22 | 72 |
| Chemical preparations..... | 7 | 3 | 10 | 9 | 1 | 11 |
| Cigars..... | 29 | 10 | 39 | 25 | 11 | 36 |
| Clocks and watches..... | | 5 | 5 | 2 | 3 | 5 |
| Clothing..... | 59 | 56 | 115 | 77 | 27 | 104 |
| Cooking and heating apparatus..... | 3 | 17 | 20 | 6 | 14 | 20 |
| Cured and packed meats..... | 20 | 34 | 54 | 8 | 43 | 51 |
| Drugs and medicines..... | 3 | 6 | 9 | 5 | 3 | 8 |
| Flour and meal..... | 21 | 76 | 97 | 55 | 42 | 97 |
| Food preparations..... | 30 | 26 | 56 | 37 | 17 | 54 |
| Furniture..... | 88 | 30 | 118 | 56 | 52 | 108 |
| Leather..... | 29 | 10 | 39 | 13 | 19 | 32 |
| Lumber..... | 26 | 19 | 45 | 39 | 7 | 46 |
| Machines and machinery..... | 36 | 51 | 87 | 32 | 50 | 82 |
| Malt..... | 4 | 3 | 7 | | 8 | 8 |
| Metals and metallic goods..... | 96 | 101 | 197 | 107 | 79 | 186 |
| Musical instruments and materials..... | 5 | 5 | 10 | 4 | 4 | 8 |
| Paints and oils..... | 9 | 7 | 16 | 7 | 6 | 13 |
| Paper..... | 13 | | 13 | 20 | 2 | 22 |
| Photographs and other likenesses..... | 1 | 8 | 9 | 2 | 6 | 8 |
| Printing and publishing..... | 35 | 88 | 123 | 66 | 44 | 110 |
| Railroad and other cars and materials..... | 8 | 6 | 14 | 6 | 7 | 13 |
| Soaps..... | 3 | 7 | 10 | 5 | 5 | 10 |
| Stone..... | 9 | 22 | 31 | 9 | 21 | 30 |
| Tobacco..... | 5 | 2 | 7 | 7 | | 7 |
| Vessels, sails, etc..... | | 11 | 11 | | 6 | 10 |
| Wooden goods..... | 83 | 21 | 104 | 55 | 28 | 83 |
| Woolen goods..... | | | | | | |
| Totals..... | 863 | 766 | 1,629 | 853 | 660 | 1,513 |

NOTE.—Establishments, the average daily wages of whose employes were not reported, are omitted from this table; these embraced 37 as to skilled mechanics, and 153 as to ordinary laborers.

Considered simply with reference to the skilled class, and dividing the establishments into two groups—those which pay an average daily wage less than \$2.50, and those which pay \$2.50 and over—the following table exhibits the per cent. for each industry belonging to each group.

It is seen by this table that all the establishments manufacturing clocks and watches, and vessels, sails, etc., pay \$2.50 or over; also, that 85 per cent. of the establishments producing cooking and heating apparatus, 78+ per cent. producing flour and meal, 88+ per cent. producing photographs, etc., 70 per cent. producing soaps, 70+ per cent. producing stone, and 71+ per cent. engaged in printing and publishing, fall into this group.

On the other hand, all the 13 establishments engaged in paper making pay a daily average wage less than \$2.50; likewise, 78+ per cent. of the establishments producing agricultural implements,

73+ per cent. producing boots and shoes, 87+ per cent. producing brooms and brushes, 70 per cent. producing chemical preparations, 74+ per cent. producing cigars, 74+ per cent. producing furniture, 74+ per cent. producing leather, 71+ per cent. producing manufactured tobacco, and 79+ per cent. engaged in the manufacture of wooden utensils. Of the 1,629 establishments under consideration, over 52 per cent. pay an average daily wage of less than \$2.50. These percentages, it is to be noted, relate only to skilled workers.

PERCENTAGE OF ESTABLISHMENTS, BY INDUSTRIES, PAYING SKILLED MECHANICS CERTAIN WAGES.

| Industries. | Total establishments. | Per cent. of establishments of each industry paying to skilled mechanics an average daily wage— | |
|---|-----------------------|---|------------------|
| | | Less than \$2.50. | \$2.50 and over. |
| Agricultural implements | 74 | 78+ | 21+ |
| Boots and shoes | 30 | 73+ | 26+ |
| Boxes | 31 | 58+ | 41+ |
| Brick | 50 | 54 | 46 |
| Brooms and brushes | 8 | 87+ | 12+ |
| Buildings | 107 | 52+ | 47+ |
| Carriages and wagons | 83 | 63+ | 36+ |
| Chemical preparations | 10 | 70 | 30 |
| Cigars | 39 | 74+ | 25+ |
| Clocks and watches | 5 | ----- | 100 |
| Clothing | 115 | 51+ | 48+ |
| Cooking and heating apparatus | 20 | 15 | 85 |
| Cured and packed meats | 54 | 37+ | 62+ |
| Drugs and medicines | 9 | 33+ | 66+ |
| Flour and meal | 97 | 21+ | 78+ |
| Food preparations | 56 | 53+ | 46+ |
| Furniture | 118 | 74+ | 25+ |
| Leather | 39 | 74+ | 25+ |
| Lumber | 45 | 57+ | 42+ |
| Machines and machinery | 87 | 41+ | 58+ |
| Malt | 7 | 57+ | 42+ |
| Metals and metallic goods | 197 | 48+ | 51+ |
| Musical instruments and materials | 10 | 50 | 50 |
| Paints and oils | 16 | 56+ | 43+ |
| Paper | 13 | 100 | ----- |
| Photographs and other likenesses | 9 | 11+ | 88+ |
| Printing and publishing | 123 | 28+ | 71+ |
| Railroad and other cars and materials | 14 | 57+ | 42+ |
| Soaps | 10 | 30 | 70 |
| Stone | 31 | 29+ | 70+ |
| Tobacco | 7 | 71+ | 28+ |
| Vessels, sails, etc. | 11 | ----- | 100 |
| Wooden goods | 104 | 79+ | 20 |
| Woolen goods | ----- | ----- | ----- |
| Total | 1,629 | 52+ | 47+ |

NOTE.—Establishments, the average daily wages of whose employes were not reported, are omitted from this table; these embraced 37 as to skilled mechanics, and 153 as to ordinary laborers.

Returning to a further consideration of the Time devoted to labor, as correlating the Wages of labor, we now present two tables exhibiting in condensed form the daily hours of labor, and the months of working time in the year, by industries, for all the 1,666 establishments.

It is seen, by an examination of the table referring to the hours of daily labor, that 1057 establishments or 63+ per cent. run 10 hours for a day's work; that 216 or 13 per cent. run 9½ hours; and 189 or 11+ per cent. run 9 hours; that 33 establishments, or about 2 per cent. of the whole, make 8 hours a day's work. The number which run 12 hours is 102 or 6+ per cent. Fifty-five of these are engaged in the manufacture of flour and meal, being over one-half of all the mills exhibited. These are doubtless mills which run day and night, and divide the 24 hours equally between two sets of men. It will be noticed that the hours are long in the manufacture of paper, 15 out of the 22 establishments running 12 hours a day. The shortest hours of labor appear to be in the manufacture of brick, production of stone, and in printing and publishing.

CLASSIFIED HOURS OF LABOR, BY INDUSTRIES.

| Industries. | NUMBER OF ESTABLISHMENTS HAVING AVERAGE DAILY RUNNING TIME EQUAL TO— | | | | | | | | | | | | Totals | |
|---|---|------------|-------------|------------|------------|------------|-------------|-------------|-------------|-------------|-------------|-------------|--------------|-------------|
| | 8 Hours.... | 8½ Hours.. | 9 Hours.... | 9¼ Hours.. | 9½ Hours.. | 9¾ Hours.. | 10 Hours... | 10½ Hours.. | 11 Hours... | 11½ Hours.. | 11¾ Hours.. | 12 Hours... | | 12½ Hours.. | Not Given. |
| Agricultural implements. | | 1 | 5 | | 13 | | 53 | | 2 | | | | | 74 |
| Boots and shoes | | | 3 | | | | 27 | | | | | | | 30 |
| Boxes | | | 6 | | 3 | | 23 | | | | | | | 32 |
| Brick | 9 | | 16 | | 6 | | 19 | | 1 | | | | | 51 |
| Brooms and brushes. | | | 2 | | 2 | | 5 | 1 | | | | | | 8 |
| Building | | | 14 | | 32 | | 61 | | | | | | | 107 |
| Carriages and wagons. | | 1 | 13 | | 19 | | 49 | 1 | | | | | | 83 |
| Chemical preparations. | | | | | 2 | | 7 | | 1 | | | 1 | | 11 |
| Cigars | 12 | | 5 | | 3 | | 28 | | | | | 1 | | 39 |
| Clocks and watches. | | | | | | | 5 | | | | | | | 5 |
| Clothing | 2 | | 30 | | 8 | | 74 | 1 | 4 | | | 1 | | 120 |
| Cooking and heating ap- paratus. | | | 2 | | 2 | | 16 | | | | | | | 20 |
| Cured and packed meats. | | | | | 1 | | 49 | | 2 | 1 | | 2 | | 54 |
| Drugs and medicines. | | | | | | | 7 | | | | | 1 | | 9 |
| Flour and meal | | | | | | | 35 | | 6 | 1 | | 55 | | 97 |
| Food preparations | 1 | | 1 | | 4 | | 43 | | 1 | | | 6 | | 56 |
| Furniture | | | 23 | | 28 | | 67 | | | | | 6 | | 118 |
| Leather | | | 2 | | 7 | | 30 | | | | | | | 39 |
| Lumber | | | 5 | | 11 | | 19 | 6 | 4 | | | 1 | | 46 |
| Machines and machinery | | | 5 | | 9 | | 71 | | 1 | | | 1 | | 87 |
| Malt | | | | | | | 5 | | | | | 4 | | 9 |
| Metals and metallic goods | 2 | 1 | 15 | 1 | 27 | 1 | 132 | | 4 | | 2 | 11 | 1 | 197 |
| Musical instruments and materials | | | 2 | | | | 8 | | | | | | | 10 |
| Paints and oils | | | 2 | | 1 | | 10 | | 2 | | | 1 | | 16 |
| Paper | | | | | | | 5 | 1 | 1 | | | 15 | | 22 |
| Photographs and other likenesses. | 3 | | 2 | | 1 | | 3 | | | | | | | 9 |
| Printing and publishing. | 6 | 1 | 11 | | 4 | | 100 | | | | | 1 | | 123 |
| Railroad and other cars and materials. | | | 2 | | 2 | | 10 | | | | | | | 14 |
| Soaps. | | | | | | | 10 | | | | | | | 10 |
| Stone | 8 | | 7 | | 6 | | 10 | | | | | | | 31 |
| Tobacco | | | | | 2 | | 5 | | | | | | | 7 |
| Vessels, sails, etc. | | | 1 | | 1 | | 9 | | | | | | | 11 |
| Wooden goods. | | | 17 | | 22 | | 62 | | 3 | | | 1 | | 105 |
| Woolen goods. | | | | | | | | | | | | | | 16 |
| Totals | 33 | 4 | 189 | 1 | 216 | 1 | 1,057 | 10 | 32 | 2 | 2 | 102 | 1 | 1,666 |

In the succeeding table may be seen, by industries, the aggregate of months worked by the employes on full time, three-fourths time, two-thirds time, and one-half time; also the months idle, and the possible working time, supposing each establishment had run the full 12 months.

Here we see that the possible working time of the 1,650 establishments considered is 19,800 months, and that the actual working time was 17,686 $\frac{1}{2}$ months, or 89.33 per cent., on three-fourths time, 65 months or $\frac{3}{4}$ of 1 per cent. on two thirds time, 346 months or 1.75 per cent. on one-half time,—making 18,716 $\frac{1}{2}$ months worked, or 94.53 per cent of the possible working time, and leaving 1,033 $\frac{1}{2}$ months, or 5.47 per cent of idleness. The average duration of work is 11.34 months, and of idleness $\frac{6}{10}$ of a month.

MONTHS OF WORKING TIME AND IDLENESS.

| Industries. | Average number of employes.... | Number of establishments.... | Possible working time, in months..... | Full time, in months..... | $\frac{3}{4}$ time, in months..... | $\frac{2}{3}$ time, in months..... | $\frac{1}{2}$ time, in months..... | Entire working time, in months..... | Time idle, in months..... |
|--|--------------------------------|------------------------------|---------------------------------------|---------------------------|------------------------------------|------------------------------------|------------------------------------|-------------------------------------|---------------------------|
| Agricultural implements..... | 6,802 | 74 | 888 | 723 | 55 | 5 | 33 | 811 | 77 |
| Boots and shoes..... | 2,064 | 30 | 360 | 340 | 5 | 5 | 2 | 347 | 13 |
| Boxes..... | 12,007 | 32 | 384 | 354 | 6 | 2 | 17 | 362 | 22 |
| Brick..... | 1,874 | 51 | 612 | 315 | 15 | 3 | 3 | 377 | 235 |
| Brooms and brushes..... | 308 | 8 | 96 | 87 | 3 | 3 | 3 | 93 | 3 |
| Building..... | 3,704 | 107 | 1,284 | 1,102 | 56 | 14 | 18 | 1,176 | 108 |
| Carriages and wagons..... | 2,497 | 83 | 996 | 910 | 64 | 14 | 7 | 996 | 1 |
| Chemical preparations..... | 784 | 11 | 132 | 126 | 3 | 3 | 3 | 126 | 6 |
| Cigars..... | 1,252 | 39 | 468 | 468 | 3 | 3 | 2 | 468 | 3 |
| Clocks and watches..... | 1,659 | 5 | 60 | 58 | 12 | 10 | 2 | 60 | 45 |
| Clothing..... | 12,569 | 120 | 1,440 | 1,295 | 46 | 10 | 44 | 1,395 | 15 |
| Cooking and heating apparatus..... | 1,119 | 20 | 240 | 221 | 4 | 30 | 2 | 225 | 150 |
| Cured and packed meats..... | 10,212 | 54 | 648 | 478 | 10 | 2 | 30 | 518 | 130 |
| Drugs and medicines..... | 191 | 9 | 108 | 104 | 2 | 2 | 2 | 108 | 83 |
| Flour and meal..... | 1,838 | 97 | 1,164 | 970 | 22 | 89 | 2 | 1,081 | 30 |
| Food preparations..... | 2,647 | 56 | 672 | 629 | 9 | 11 | 2 | 642 | 29 |
| Furniture..... | 5,951 | 118 | 1,416 | 1,295 | 78 | 13 | 11 | 1,387 | 468 |
| Leather..... | 1,839 | 39 | 468 | 456 | 12 | 1 | 28 | 490 | 62 |
| Lumber..... | 1,769 | 46 | 552 | 411 | 50 | 4 | 4 | 1,033 | 11 |
| Machines and machinery..... | 3,756 | 87 | 1,044 | 1,011 | 18 | 2 | 2 | 89 | 19 |
| Malt..... | 199 | 9 | 108 | 87 | 74 | 12 | 14 | 2,286 $\frac{7}{8}$ | 77 $\frac{1}{2}$ |
| Metals and metallic goods..... | 14,949 | 197 | 2,364 | 2,186 $\frac{7}{8}$ | 110 | 117 | 2 | 119 | 4 |
| Musical instruments and materials..... | 829 | 10 | 120 | 117 | 3 | 12 | 249 | 188 | 15 |
| Paints and oils..... | 389 | 16 | 192 | 188 | 3 | 12 | 249 | 188 | 4 |
| Paper..... | 750 | 25 | 264 | 244 | 3 | 12 | 249 | 188 | 15 |
| Photographs and other likenesses..... | 99 | 9 | 108 | 108 | 1 | 1,455 | 108 | 21 | 4 |
| Printing and publishing..... | 4,660 | 123 | 1,476 | 1,454 | 2 | 164 | 120 | 345 | 5 |
| Railroad and other cars and materials..... | 1,578 | 14 | 164 | 162 | 2 | 1 | 5 | 79 | 11 |
| Soaps..... | 456 | 10 | 120 | 120 | 23 | 12 | 19 | 121 | 29 |
| Stone..... | 1,034 | 31 | 372 | 316 | 23 | 1 | 5 | 345 | 5 |
| Tobacco..... | 1,041 | 7 | 84 | 67 | 12 | 19 | 19 | 121 | 11 |
| Vessels, sails, etc..... | 401 | 11 | 132 | 121 | 49 | 10 | 19 | 121 | 29 |
| Wooden goods..... | 4,374 | 105 | 1,260 | 1,153 | 49 | 10 | 19 | 1,231 | 29 |
| Totals..... | 95,101 | 1,650 | 19,800 | 17,686 $\frac{1}{2}$ | 619 | 65 | 346 | 18,716 $\frac{1}{2}$ | 1,063 $\frac{1}{2}$ |
| Percentages..... | | | 100.00 | 89.33 | 3.13 | .33 | 1.75 | 94.53 | 5.47 |
| Averages..... | | | 12.00 | 10.72 | .37 | .04 | .21 | 11.34 | .66 |

NOTE.—Woolen goods are omitted from this table, as the necessary data were not reported.

In the next table are shown the total wages paid in each industry, the average working time in months and days, the average daily earnings, and the average yearly earnings.

The months of average working time are derived from the preceding table, the three-fourths, two-thirds and one-half time being reduced to equivalents in full time, and added to the full time in the preceding column. We thus have the whole number of months worked on a basis of full time, which, being divided by the number of establishments, gives us for each industry the average number of months worked. From this is deduced the average working time in days, 52 Sundays and six holidays being thrown out, leaving the working year 307 days. The average yearly earnings are now derived by dividing the wages paid in each industry by the average number of employes; and, in turn, from the yearly earnings are derived the average daily earnings of each employé for the days of working time.

We see by this table that the average period of work for all the industries under consideration was 11.13 months, or 234.74 days, and that the average yearly earnings of each employé was \$480, and the average daily earnings \$1.51. It is to be remembered, however, that these employes consist of men, women and children. By reference to a table further on, entitled Classification of Employes by Industries, it will be found that 78,480, or 81.77 per cent., are men; 11,660, or 12.16 per cent., are women; and 5,822, or 6.07 per cent., are children and youth.

There appear to be 8 industries in which the yearly earnings exceed \$500, and two in which they exceed \$600, namely: the manufacture of cooking and heating apparatus, \$520; flour and meal, \$531; machines and machinery, \$513; musical instruments and materials, \$608; paints and oils, \$535; photographs and other likenesses, \$682; printing and publishing, \$538; and vessels, sails, etc., \$526. In 12 industries the average yearly earnings are less than \$400, namely: boots and shoes, \$374; boxes, \$380; brick, \$351; brooms and brushes, \$332; chemical preparations, \$364; clothing, \$264; cured and packed meats, \$386; food preparations, \$387; lumber, \$317; paper, \$385; soaps, \$390; and tobacco, \$339.

WORKING TIME AND EARNINGS.

| Industries. | Average number of employes.. | Wages. | Ave'ge WORK-ING TIME. | | Ave. daily earnings of each em- ploye..... | Ave. yearly earnings of each em- ploye..... |
|---|------------------------------|--------------|-----------------------|--------|--|---|
| | | | Mont's | Days. | | |
| Agricultural implements | 6,802 | \$3,060,618 | 10.55 | 209.90 | \$1.67 | \$450 |
| Boots and shoes | 2,064 | 771,737 | 11.49 | 283.95 | 1.27 | 374 |
| Baxes | 2,077 | 762,442 | 11.24 | 287.56 | 1.32 | 380 |
| Brick | 1,874 | 620,123 | 7.15 | 182.92 | 1.81 | 331 |
| Brooms and brushes | 308 | 102,406 | 11.34 | 290.12 | 1.14 | 332 |
| Buildings | 3,704 | 1,799,715 | 10.78 | 275.78 | 1.76 | 486 |
| Carriages and wagons | 2,497 | 1,143,099 | 11.70 | 299.33 | 1.53 | 458 |
| Chemical preparations | 784 | 285,370 | 11.45 | 292.93 | 1.24 | 364 |
| Cigars | 1,232 | 509,048 | 12.00 | 307.00 | 1.33 | 407 |
| Clocks and watches | 1,659 | 808,974 | 11.80 | 301.88 | 1.62 | 438 |
| Clothing | 12,569 | 4,578,139 | 11.32 | 289.60 | 1.26 | 364 |
| Cooking and heating apparatus | 1,119 | 592,532 | 11.20 | 286.53 | 1.85 | 530 |
| Cured and pack'd meats | 10,212 | 3,939,411 | 9.27 | 237.16 | 1.63 | 396 |
| Drugs and medicines | 191 | 82,754 | 11.83 | 302.65 | 1.43 | 423 |
| Flour and meal | 1,838 | 975,151 | 10.63 | 271.95 | 1.95 | 531 |
| Food preparations | 2,647 | 1,025,560 | 11.39 | 291.39 | 1.33 | 337 |
| Furniture | 5,951 | 2,652,286 | 11.51 | 294.46 | 1.51 | 446 |
| Leather | 1,839 | 868,615 | 11.92 | 304.95 | 1.55 | 472 |
| Lumber | 1,769 | 560,343 | 10.07 | 257.62 | 1.23 | 317 |
| Machines and machinery | 3,756 | 1,927,512 | 11.80 | 301.58 | 1.70 | 513 |
| Malt | 199 | 93,849 | 9.78 | 250.21 | 1.89 | 472 |
| Metals and metallic goods | 14,949 | 6,804,591 | 11.46 | 293.19 | 1.55 | 455 |
| Musical instruments and materials | 329 | 198,527 | 11.80 | 301.88 | 2.00 | 603 |
| Paints and oils | 889 | 207,995 | 11.75 | 300.60 | 1.78 | 535 |
| Paper | 750 | 298,424 | 11.01 | 281.67 | 1.37 | 385 |
| Photographs and other likenesses | 99 | 62,544 | 12.00 | 307.00 | 2.06 | 632 |
| Printing and publishing | 4,660 | 2,508,523 | 11.83 | 302.65 | 1.78 | 538 |
| Railroad and other cars and materials | 1,578 | 729,698 | 11.68 | 298.81 | 1.55 | 462 |
| Soaps | 456 | 177,902 | 12.00 | 307.00 | 1.27 | 390 |
| Stone | 1,034 | 481,152 | 10.85 | 277.58 | 1.68 | 465 |
| Tobacco | 1,041 | 353,200 | 10.86 | 277.84 | 1.22 | 339 |
| Vessels, sails, etc. | 401 | 210,835 | 11.00 | 281.42 | 1.87 | 526 |
| Wooden goods | 4,374 | 1,754,291 | 11.48 | 293.70 | 1.37 | 401 |
| Totals | 95,101 | \$40,937,366 | 11.13 | 284.74 | \$1.51 | \$130 |

NOTE.—Woolen goods (16 establishments) are omitted from this table, as the entire data necessary were not reported.

CHAPTER II.

PROFITS AND EARNINGS.

We now enter upon the consideration of the subject of Profits and Earnings in Manufactures, as supplementary to that of Time and Wages of Employè, treated in the preceding chapter. The following tables are deduced from the same schedules made use of in arriving at the hours of labor and earnings of employès, and complete the statistical record of the 1,666 establishments.

The information in regard to each of these which is presented in the succeeding table, embraces the following details: the average number of employès, capital invested, wages paid during the year, value of stock used, value of product, gross profit or loss, percentage of gross profit or loss of the value of product, estimated interest and expenses, net profit or loss, percentage of stock used of value of product, percentage of wages paid of value of product, percentage of interest and expenses of value of product, percentage of net profit or loss of value of product, average yearly product per employè, average yearly net profit or loss per employè, and the average yearly earnings per employè.

The number of employès, the capital, the wages, the value of stock and value of product, are taken from the schedules and are given as reported. The remaining columns are derived by careful computations from these. The establishments are arranged in the same order under each industry as in the table of Time and Wages, and the marginal numbers link the two tables together and furnish a ready means of reference from one to the other.

A close scrutiny of the figures in the first five columns may lead one to think that here and there are evidences of incongruity in their relations, but in nearly every such case the original schedules were accompanied by explanations which accounted satisfactorily for seeming discrepancies. With such lengthy footnotes however it has not been thought worth while to burden these tables.

There are however a few instances, perhaps three or four, in which the returns appear to be defective, and no adequate explanations are offered, as for instance, the case of a clothing establishment in which only the cutters are reported as employès, the making up of the goods being let out to another establishment. Here it will be seen that the average yearly earnings of employès is very large as compared with that of other similar establishments, and as the value of the manufactured goods is reported as the firm's product, the average yearly product per employè is extraordinarily large.

In regard to only one of the columns in the succeeding table is any special explanation necessary,—that is the column headed, Estimated Interest and Expenses. This column is introduced as an essential factor in the equation, though the figures composing it can only be arrived at by assuming some arbitrary basis upon which to make the computations in each case. In this respect we have adopted the basis made use of by the Massachusetts Bureau in a similar table, and compute, as a legitimate charge upon the business, interest on the capital invested at the rate of six per cent., and to cover the miscellaneous expenses of conducting the business, such as rents, insurance, transportation and all outlays besides those for stock and wages, ten per cent. of the reported value of product.

These two items therefore compose this important column, which in the only one into which anything of a purely conjectural nature enters. All the others are either the actual facts as reported, or absolutely legitimate deductions from them. At the present stage of statistical inquiry actual facts on the subject of miscellaneous expenses could hardly be obtained in sufficient number for tabular purposes, and the only alternative offered is to make estimates based upon the best information to be had. It is possible that a higher rate of interest upon capital invested, than the six per cent. adopted for the Massachusetts manufacturers, would have been more nearly correct for Illinois, but had any other rate been adopted the uniformity necessary to a ready comparison of conditions in the two States would have been marred, without corresponding advantage. It will not be difficult for any one disposed to make a close study of the tables, to determine in how many instances and to what extent their complexion would be changed by the use of an eight per cent. rate.

The two columns about which will doubtless center the most general interest are those showing the net earnings of each employé, and the net gain or loss which each establishment realized upon the labor which those earnings paid for. These columns alone afford a most instructive study, and deserve the careful scrutiny of those who wish to arrive at just conclusions as to the relative rewards of labor and capital.

Succeeding the detailed tabulation of individual establishments in each industry, are two condensed tables, one showing the aggregated results for the State at large in each industry, and the other the summaries for all industries in each of the counties. These afford instructive views both of the distribution of manufacturing enterprises in the State, and of the degrees of prosperity which, as deduced by this analysis, have characterized different localities, and the manufactures of different kinds.

In the profit and loss columns the minus sign indicates loss, and the absence of it profit.

AGRICULTURAL IMPLEMENTS.

| Number of establishments.. | Average number of employees..... | Capital invested..... | Wages paid during the year..... | Stock used..... | Value of product..... | Gross profit or loss..... | Percentage of gross profit of value of product..... | Estimated interest and expenses..... |
|----------------------------|----------------------------------|-----------------------|---------------------------------|-----------------|-----------------------|---------------------------|---|--------------------------------------|
| 1 | 15 | \$15,000 | \$9,000 | \$7,000 | \$20,000 | \$4,000 | 20.00 | \$2,900 |
| 2 | 70 | 100,000 | 29,826 | 23,519 | 75,000 | 21,655 | 28.87 | 13,500 |
| 3 | 30 | 40,000 | 10,000 | 32,000 | 65,000 | 23,000 | 35.38 | 8,900 |
| 4 | 60 | 368,000 | 20,000 | 27,000 | 60,000 | 13,000 | 21.67 | 28,000 |
| 5 | 600 | 2,500,000 | 33,832 | 1,093,092 | 1,820,800 | 393,433 | 21.61 | 332,036 |
| 6 | 410 | 600,000 | 224,000 | 548,000 | 875,000 | 103,000 | 11.77 | 123,500 |
| 7 | 120 | 75,000 | 40,000 | 180,000 | 250,000 | 30,000 | 12.00 | 29,500 |
| 8 | 140 | 200,000 | 52,000 | 100,000 | 200,000 | 48,000 | 24.00 | 32,000 |
| 9 | 147 | 250,000 | 85,000 | 185,000 | 310,000 | 40,000 | 12.90 | 46,000 |
| 10 | 41 | 100,000 | 26,900 | 58,000 | 92,000 | 8,000 | 8.70 | 15,200 |
| 11 | 160 | 250,000 | 48,000 | 165,000 | 300,000 | 87,000 | 29.00 | 45,000 |
| 12 | 16 | 25,000 | 7,000 | 10,000 | 24,875 | 7,875 | 31.66 | 3,988 |
| 13 | 40 | 38,900 | 12,000 | 30,921 | 48,135 | 5,214 | 10.83 | 7,148 |
| 14 | 23 | 20,000 | 9,500 | 16,000 | 60,000 | 31,500 | 52.50 | 7,200 |
| 15 | 13 | 17,000 | 7,500 | 8,000 | 33,000 | 17,500 | 53.03 | 4,320 |
| 16 | 23 | 25,000 | 12,000 | 13,500 | 27,000 | 1,500 | 5.56 | 4,200 |
| 17 | 20 | 10,000 | 6,400 | 17,172 | 25,675 | 2,043 | 7.96 | 3,168 |
| 18 | 440 | 100,000 | 180,000 | 240,000 | 500,000 | 80,000 | 16.00 | 56,000 |
| 19 | 165 | 300,000 | 61,000 | 81,000 | 250,000 | 108,000 | 43.20 | 43,000 |
| 20 | 20 | 40,000 | 10,000 | 25,245 | 47,009 | 12,364 | 25.97 | 7,161 |
| 21 | 25 | 10,000 | 13,500 | 8,750 | 25,000 | 2,750 | 11.00 | 3,100 |
| 22 | 35 | 50,000 | 20,000 | 60,000 | 100,000 | 20,000 | 20.00 | 13,000 |
| 23 | 60 | 175,000 | 25,000 | 30,000 | 80,000 | 25,000 | 31.25 | 18,500 |
| 24 | 90 | 65,000 | 30,000 | 64,200 | 125,000 | 34,800 | 27.84 | 16,400 |
| 25 | 102 | 200,000 | 44,000 | 40,000 | 300,000 | 216,000 | 72.00 | 42,000 |
| 26 | 15 | 18,000 | 5,400 | 6,500 | 13,000 | 1,100 | 8.46 | 12,360 |
| 27 | 40 | 50,000 | 25,000 | 35,000 | 75,000 | 15,000 | 20.00 | 10,500 |
| 28 | 95 | 155,000 | 61,500 | 127,437 | 276,301 | 87,364 | 31.62 | 36,920 |
| 29 | 58 | 100,000 | 20,000 | 43,000 | 124,180 | 61,180 | 49.27 | 18,418 |
| 30 | 38 | 65,000 | 23,000 | 70,000 | 158,000 | 65,000 | 41.14 | 19,700 |
| 31 | 35 | 50,000 | 15,000 | 34,500 | 110,000 | 60,500 | 55.00 | 14,000 |
| 32 | 21 | 20,000 | 7,200 | 8,800 | 23,065 | 7,065 | 30.63 | 3,507 |
| 33 | 76 | 150,000 | 37,995 | 102,047 | 207,971 | 67,929 | 32.66 | 29,797 |
| 34 | 30 | 50,000 | 8,350 | 17,000 | 75,000 | 49,650 | 66.20 | 10,500 |
| 35 | 69 | 60,000 | 25,000 | 32,000 | 60,000 | 3,000 | 5.00 | 9,600 |
| 36 | 15 | 25,000 | 5,000 | 5,500 | 20,000 | 9,500 | 47.50 | 3,500 |
| 37 | 13 | 12,000 | 5,000 | 6,200 | 15,000 | 3,800 | 25.33 | 2,220 |
| 38 | 100 | 70,000 | 30,000 | 60,000 | 105,000 | 15,000 | 14.29 | 14,700 |
| 39 | 40 | 80,000 | 12,500 | 78,000 | 176,000 | 85,500 | 38.54 | 22,400 |
| 40 | 50 | 50,000 | 20,000 | 55,000 | 90,000 | 15,000 | 16.67 | 12,000 |
| 41 | 10 | 10,000 | 5,000 | 9,000 | 17,000 | 3,000 | 17.65 | 2,300 |
| 42 | 45 | 40,000 | 20,000 | 15,000 | 50,000 | 15,000 | 30.00 | 7,400 |
| 43 | 500 | 500,000 | 240,488 | 406,200 | 1,010,944 | 304,256 | 30.10 | 131,094 |
| 44 | 90 | 45,000 | 31,000 | 57,418 | 140,000 | 59,582 | 42.56 | 16,700 |
| 45 | 300 | 400,000 | 224,527 | 398,451 | 901,921 | 281,916 | 31.16 | 114,492 |
| 46 | 400 | 250,000 | 131,000 | 575,000 | 750,000 | 41,000 | 5.47 | 90,000 |
| 47 | 150 | 310,000 | 75,000 | 66,000 | 150,000 | 18,000 | 11.32 | 31,900 |
| 48 | 40 | 50,000 | 9,500 | 18,300 | 32,000 | 4,200 | 13.13 | 6,200 |
| 49 | 31 | 35,500 | 9,500 | 19,500 | 44,000 | 15,000 | 34.09 | 6,518 |
| 50 | 39 | 20,000 | 8,000 | 16,500 | 40,000 | 15,500 | 38.75 | 5,200 |
| 51 | 18 | 20,000 | 8,865 | 12,875 | 26,440 | 4,700 | 17.78 | 3,844 |
| 52 | 60 | 100,000 | 25,000 | 29,550 | 75,000 | 20,450 | 27.27 | 13,500 |
| 53 | 25 | 10,000 | 9,000 | 2,500 | 21,000 | 9,500 | 45.24 | 2,700 |
| 54 | 17 | 25,000 | 6,240 | 12,960 | 24,000 | 4,800 | 20.00 | 3,900 |
| 55 | 25 | 15,000 | 5,200 | 13,800 | 25,525 | 6,525 | 25.56 | 3,453 |
| 56 | 40 | 48,000 | 18,000 | 20,000 | 52,000 | 14,000 | 26.92 | 8,000 |
| 57 | 50 | 60,000 | 20,000 | 45,000 | 75,000 | 10,000 | 13.33 | 11,100 |
| 58 | 25 | 50,000 | 9,000 | 20,000 | 50,000 | 21,000 | 42.00 | 8,000 |
| 59 | 45 | 80,000 | 13,600 | 47,000 | 75,000 | 15,000 | 20.00 | 12,300 |
| 60 | 100 | 125,000 | 35,000 | 100,000 | 160,000 | 25,000 | 15.63 | 23,500 |
| 61 | 400 | 400,000 | 150,000 | 180,000 | 360,000 | 30,000 | 8.33 | 60,000 |
| 62 | 60 | 100,000 | 21,430 | 68,570 | 120,500 | 30,500 | 25.31 | 18,050 |
| 63 | 160 | 300,000 | 75,000 | 90,000 | 250,000 | 85,000 | 34.00 | 43,000 |
| 64 | 35 | 50,000 | 16,000 | 21,500 | 60,000 | 22,500 | 37.50 | 9,000 |
| 65 | 19 | 30,000 | 10,000 | 17,000 | 35,000 | 8,000 | 22.86 | 5,300 |
| 66 | 26 | 60,000 | 15,000 | 15,000 | 55,000 | 25,000 | 45.45 | 9,100 |

AGRICULTURAL IMPLEMENTS.

| Net profit or loss..... | Percentage of stock used of value of product..... | Percentage of wages paid of value of product..... | Percentage of interest and expenses of value of product..... | Percentage of net profit or loss of value of product..... | Average yearly product per employe..... | Average yearly net profit or loss per employe..... | Average yearly earnings of each employe..... | Number of establishments..... |
|-------------------------|---|---|--|---|---|--|--|-------------------------------|
| \$1,100 | 85.00 | 45.00 | 14.50 | 5.50 | \$1,333 | \$73 | \$600 | 1 |
| 8,155 | 31.36 | 39.77 | 18.00 | 10.87 | 1,071 | 117 | 426 | 2 |
| 14,100 | 49.2 | 15.34 | 13.69 | 21.69 | 2,167 | 470 | 333 | 3 |
| 15,090 | 45.00 | 33.33 | 46.80 | 25.13 | 1,000 | 251 | 333 | 4 |
| 61,400 | 60.05 | 18.34 | 18.24 | 3.37 | 3,034 | 102 | 556 | 5 |
| 20,500 | 62.63 | 25.60 | 14.11 | 2.34 | 2,134 | 50 | 516 | 6 |
| 500 | 72.00 | 16.00 | 11.80 | 20 | 2,083 | 4 | 333 | 7 |
| 16,000 | 50.00 | 26.00 | 16.00 | 8.00 | 1,429 | 114 | 371 | 8 |
| 6,000 | 50.68 | 27.42 | 14.84 | 1.94 | 2,109 | 41 | 578 | 9 |
| 7,200 | 63.04 | 28.26 | 16.52 | 7.83 | 2,214 | 176 | 634 | 10 |
| 42,000 | 55.00 | 16.00 | 15.00 | 14.00 | 1,875 | 263 | 300 | 11 |
| 3,877 | 40.20 | 28.14 | 16.03 | 15.63 | 1,555 | 243 | 438 | 12 |
| 1,914 | 61.24 | 24.93 | 14.85 | 4.02 | 1,203 | 48 | 300 | 13 |
| 27,300 | 26.67 | 15.83 | 12.00 | 45.50 | 2,609 | 1,187 | 413 | 14 |
| 13,180 | 24.24 | 22.73 | 13.09 | 39.94 | 2,538 | 1,014 | 577 | 15 |
| 2,700 | 50.00 | 44.44 | 15.56 | 10.00 | 1,174 | 117 | 522 | 16 |
| 1,125 | 66.88 | 25.16 | 12.34 | 4.38 | 1,284 | 56 | 323 | 17 |
| 21,000 | 48.00 | 36.00 | 11.24 | 4.80 | 1,136 | 55 | 409 | 18 |
| 65,000 | 32.40 | 24.40 | 17.20 | 26.00 | 1,515 | 391 | 370 | 19 |
| 5,208 | 53.04 | 21.00 | 15.04 | 10.93 | 2,380 | 260 | 500 | 20 |
| 350 | 35.00 | 54.00 | 12.40 | 1.40 | 1,000 | 14 | 540 | 21 |
| 7,000 | 60.00 | 20.00 | 13.00 | 7.00 | 2,857 | 200 | 571 | 22 |
| 6,500 | 37.50 | 31.25 | 23.13 | 8.13 | 1,333 | 108 | 417 | 23 |
| 18,400 | 48.16 | 24.00 | 13.12 | 14.72 | 1,389 | 201 | 333 | 24 |
| 174,000 | 13.33 | 14.67 | 14.00 | 58.00 | 2,911 | 1,706 | 431 | 25 |
| 1,280 | 50.00 | 41.54 | 18.31 | 9.85 | 867 | 85 | 360 | 26 |
| 4,500 | 46.67 | 33.33 | 14.00 | 6.00 | 1,875 | 113 | 625 | 27 |
| 50,434 | 46.12 | 22.26 | 13.37 | 18.25 | 2,908 | 531 | 647 | 28 |
| 42,762 | 31.63 | 16.11 | 14.83 | 34.44 | 2,141 | 737 | 345 | 29 |
| 45,300 | 44.30 | 14.56 | 12.47 | 23.67 | 4,158 | 1,192 | 605 | 30 |
| 46,500 | 31.36 | 13.64 | 12.73 | 42.27 | 3,143 | 1,320 | 429 | 31 |
| 3,558 | 39.15 | 31.22 | 15.20 | 15.43 | 1,098 | 169 | 243 | 32 |
| 38,132 | 49.07 | 18.27 | 14.33 | 18.34 | 2,730 | 502 | 500 | 33 |
| 39,150 | 22.67 | 11.13 | 14.00 | 52.20 | 2,500 | 1,305 | 278 | 34 |
| 6,000 | 53.33 | 41.67 | 16.00 | 11.00 | 870 | 96 | 362 | 35 |
| 6,000 | 27.50 | 25.00 | 17.50 | 30.00 | 1,333 | 400 | 331 | 36 |
| 1,580 | 41.33 | 33.33 | 14.80 | 10.53 | 1,154 | 122 | 345 | 37 |
| 300 | 57.14 | 28.57 | 14.00 | 20 | 1,050 | 3 | 300 | 38 |
| 63,100 | 44.32 | 7.10 | 12.73 | 35.85 | 4,400 | 1,578 | 313 | 39 |
| 3,000 | 61.11 | 22.22 | 13.33 | 3.33 | 1,800 | 60 | 400 | 40 |
| 700 | 52.94 | 29.41 | 13.53 | 4.12 | 1,700 | 70 | 500 | 41 |
| 7,600 | 30.00 | 40.06 | 14.80 | 15.20 | 1,111 | 169 | 444 | 42 |
| 173,162 | 46.12 | 23.79 | 12.97 | 17.13 | 2,022 | 346 | 441 | 43 |
| 31,882 | 41.01 | 22.86 | 11.93 | 24.20 | 1,556 | 376 | 356 | 44 |
| 167,454 | 44.03 | 24.81 | 12.65 | 18.50 | 3,016 | 558 | 748 | 45 |
| 49,000 | 76.67 | 17.87 | 12.00 | 6.53 | 1,875 | 123 | 335 | 46 |
| 15,900 | 41.51 | 47.17 | 21.32 | 10.00 | 1,060 | 106 | 500 | 47 |
| 2,000 | 57.19 | 29.69 | 19.38 | 6.25 | 800 | 50 | 238 | 48 |
| 8,482 | 44.32 | 21.59 | 14.81 | 19.38 | 1,419 | 271 | 396 | 49 |
| 10,300 | 41.25 | 20.00 | 13.00 | 25.75 | 1,333 | 343 | 267 | 50 |
| 556 | 48.70 | 33.53 | 14.54 | 3.24 | 1,460 | 48 | 492 | 51 |
| 6,950 | 39.40 | 33.33 | 18.00 | 9.27 | 1,250 | 116 | 417 | 52 |
| 6,800 | 11.90 | 42.86 | 12.86 | 32.38 | 810 | 272 | 360 | 53 |
| 900 | 54.00 | 26.00 | 16.25 | 3.75 | 1,412 | 53 | 367 | 54 |
| 3,072 | 54.06 | 20.37 | 13.53 | 12.04 | 1,021 | 123 | 208 | 55 |
| 5,920 | 39.46 | 31.62 | 15.54 | 11.38 | 1,300 | 148 | 450 | 56 |
| 1,100 | 60.00 | 26.67 | 14.80 | 1.47 | 1,500 | 22 | 400 | 57 |
| 13,000 | 40.00 | 18.00 | 16.00 | 26.00 | 2,000 | 520 | 360 | 58 |
| 2,700 | 62.67 | 17.33 | 16.40 | 3.60 | 1,667 | 60 | 289 | 59 |
| 1,500 | 62.50 | 21.88 | 14.69 | .94 | 1,600 | 13 | 350 | 60 |
| 30,000 | 50.00 | 41.67 | 16.67 | 8.33 | 900 | 75 | 375 | 61 |
| 12,450 | 56.90 | 17.78 | 11.98 | 10.33 | 2,008 | 208 | 357 | 62 |
| 42,000 | 36.00 | 30.00 | 17.20 | 16.80 | 1,563 | 263 | 469 | 63 |
| 13,500 | 35.83 | 26.67 | 15.00 | 22.50 | 1,714 | 386 | 457 | 64 |
| 2,700 | 48.57 | 28.57 | 15.14 | 7.71 | 1,842 | 142 | 526 | 65 |
| 15,900 | 27.27 | 27.27 | 16.55 | 28.91 | 2,115 | 612 | 577 | 66 |

Agricultural Implements—Continued.

| Number of es- tablishment.. | Average num- ber of em- ployees..... | Capital invest- ed..... | Wages paid during the year..... | Stock used..... | Value of pro- duct..... | Gross profit or loss..... | Percentage of gross profit of value of pro- duct..... | Estimated in- terest and ex- penses..... |
|--------------------------------|--|----------------------------|---------------------------------------|-----------------|----------------------------|------------------------------|--|--|
| 67 | 225 | \$350,000 | \$100,000 | \$125,000 | \$300,000 | \$75,000 | 25.00 | \$51,000 |
| 68 | 126 | 200,000 | 60,152 | 100,000 | 315,152 | 155,000 | 49.18 | 43,515 |
| 69 | 50 | 200,000 | 18,467 | 39,100 | 130,500 | 72,933 | 55.89 | 25,050 |
| 70 | 30 | 150,000 | 7,636 | 22,850 | 55,500 | 24,964 | 44.98 | 6,450 |
| 71 | 40 | 75,000 | 20,000 | 23,500 | 48,000 | 4,500 | 9.38 | 9,300 |
| 72 | 50 | 80,000 | 32,000 | 52,000 | 125,317 | 41,317 | 32.97 | 17,342 |
| 73 | 10 | 10,000 | 5,000 | 12,000 | 20,000 | 3,000 | 15.00 | 2,600 |
| 74 | 10 | 20,000 | 6,000 | 10,000 | 30,000 | 24,000 | 46.67 | 4,200 |

BOOTS AND SHOES.

| | | | | | | | | |
|----|-----|---------|---------|---------|----------|---------|-------|---------|
| 1 | 18 | \$4,000 | \$6,476 | \$7,000 | \$14,884 | \$1,408 | 9.46 | \$1,728 |
| 2 | 25 | 6,000 | 14,000 | 10,000 | 30,000 | 6,000 | 20.00 | 3,360 |
| 3 | 120 | 12,500 | 25,000 | 25,000 | 60,000 | 10,000 | 16.67 | 6,750 |
| 4 | 15 | 3,500 | 5,000 | 10,000 | 18,000 | 3,000 | 16.67 | 2,010 |
| 5 | 53 | 250,000 | 31,688 | 68,554 | 104,367 | 4,125 | 3.95 | 25,437 |
| 6 | 90 | 150,000 | 50,000 | 87,500 | 146,250 | 8,750 | 5.98 | 23,625 |
| 7 | 160 | 125,000 | 66,000 | 160,000 | 277,072 | 51,072 | 18.43 | 35,207 |
| 8 | 250 | 100,000 | 130,000 | 320,000 | 500,000 | 50,000 | 10.00 | 56,000 |
| 9 | 75 | 50,000 | 25,000 | 47,000 | 76,800 | 4,800 | 6.25 | 10,680 |
| 10 | 80 | 35,000 | 25,000 | 40,000 | 75,000 | 10,000 | 13.33 | 9,600 |
| 11 | 36 | 10,000 | 14,000 | 30,000 | 60,000 | 16,000 | 26.67 | 6,600 |
| 12 | 40 | 8,000 | 17,200 | 26,500 | 51,000 | 7,300 | 14.31 | 5,580 |
| 13 | 24 | 5,000 | 12,822 | 19,375 | 38,250 | 6,653 | 15.82 | 4,125 |
| 14 | 22 | 5,000 | 10,000 | 12,000 | 25,000 | 3,000 | 12.00 | 2,800 |
| 15 | 23 | 5,000 | 12,000 | 11,000 | 30,000 | 7,000 | 23.33 | 3,300 |
| 16 | 26 | 3,500 | 13,000 | 21,000 | 38,000 | 4,000 | 10.53 | 4,010 |
| 17 | 45 | 40,000 | 21,000 | 45,000 | 80,000 | 14,000 | 17.50 | 10,400 |
| 18 | 100 | 25,000 | 42,000 | 65,000 | 125,000 | 18,000 | 14.40 | 14,000 |
| 19 | 40 | 20,000 | 20,000 | 30,000 | 60,000 | 10,000 | 16.67 | 7,200 |
| 20 | 53 | 15,000 | 22,000 | 30,000 | 60,000 | 8,000 | 13.33 | 6,900 |
| 21 | 50 | 12,000 | 20,000 | 60,750 | 90,000 | 9,250 | 10.28 | 9,720 |
| 22 | 12 | 10,000 | 7,000 | 9,100 | 20,350 | 4,250 | 20.88 | 2,635 |
| 23 | 33 | 3,000 | 15,600 | 15,000 | 33,000 | 2,400 | 7.27 | 3,480 |
| 24 | 15 | 2,500 | 8,700 | 12,500 | 25,000 | 3,800 | 15.20 | 2,650 |
| 25 | 10 | 2,000 | 5,500 | 8,900 | 18,000 | 3,600 | 20.00 | 1,920 |
| 26 | 23 | 5,000 | 8,000 | 15,000 | 27,000 | 4,000 | 14.81 | 3,000 |
| 27 | 35 | 8,000 | 12,000 | 15,000 | 32,000 | 5,000 | 15.63 | 3,380 |
| 28 | 14 | 2,500 | 7,000 | 10,000 | 24,000 | 7,000 | 29.17 | 2,550 |
| 29 | 58 | 10,000 | 24,000 | 45,000 | 75,000 | 6,000 | 8.00 | 8,100 |
| 30 | 514 | 800,000 | 101,751 | 500,000 | 905,000 | 303,249 | 33.51 | 138,500 |

BOXES.

| | | | | | | | | |
|----|-----|----------|---------|---------|----------|--------|-------|---------|
| 1 | 20 | \$10,000 | \$6,000 | \$6,250 | \$12,000 | —\$250 | —2.08 | \$1,800 |
| 2 | 31 | 15,000 | 12,000 | 15,000 | 48,000 | 21,000 | 43.75 | 5,700 |
| 3 | 80 | 22,000 | 42,000 | 36,000 | 84,000 | 6,000 | 7.14 | 9,720 |
| 4 | 70 | 20,000 | 24,710 | 39,382 | 73,173 | 9,081 | 12.41 | 8,517 |
| 5 | 70 | 16,000 | 32,000 | 30,000 | 70,000 | 8,000 | 11.43 | 7,960 |
| 6 | 115 | 150,000 | 66,000 | 110,800 | 195,000 | 18,200 | 9.33 | 28,500 |
| 7 | 53 | 35,000 | 32,243 | 104,000 | 147,400 | 11,157 | 7.57 | 16,840 |
| 8 | 75 | 20,000 | 30,000 | 75,000 | 115,000 | 10,000 | 8.61 | 12,700 |
| 9 | 125 | 30,000 | 45,000 | 75,000 | 131,000 | 11,000 | 8.40 | 14,900 |
| 10 | 92 | 40,000 | 30,687 | 74,000 | 150,000 | 45,313 | 30.21 | 17,400 |

Agricultural Implements—Continued.

| Net profit or loss..... | Percentage of stock used of value of product..... | Percentage of wages paid of value of product..... | Percentage of interest and expenses of value of product..... | Percentage of net profit or loss of value of product..... | Average yearly product per employe..... | Average yearly net profit or loss per employe..... | Average yearly earnings of each employe..... | Number of establishments..... |
|-------------------------|---|---|--|---|---|--|--|-------------------------------|
| \$24,030 | 41.67 | 33.33 | 17.00 | 8.00 | \$1,333 | \$107 | \$444 | 67 |
| 111,445 | 31.73 | 19.09 | 13.81 | 35.37 | 2,501 | 845 | 478 | 68 |
| 47,943 | 29.96 | 14.15 | 19.20 | 36.69 | 2,610 | 958 | 369 | 69 |
| 18,514 | 41.17 | 13.85 | 11.62 | 33.36 | 1,850 | 617 | 255 | 70 |
| —4,800 | 48.96 | 41.67 | 19.33 | —10.00 | 1,200 | —120 | 500 | 71 |
| 23,985 | 41.49 | 25.54 | 13.83 | 19.14 | 2,506 | 480 | 640 | 72 |
| 400 | 60.00 | 25.00 | 13.00 | 2.00 | 2,000 | 40 | 500 | 73 |
| 9,800 | 33.33 | 20.00 | 14.00 | 32.67 | 3,000 | 930 | 600 | 74 |

BOOTS AND SHOES.

| | | | | | | | | |
|---------|-------|-------|-------|--------|-------|-------|-------|----|
| —\$320 | 47.03 | 43.51 | 11.61 | —2.15 | \$827 | —\$18 | \$360 | 1 |
| 2,610 | 33.33 | 46.67 | 11.20 | 8.80 | 1,200 | 106 | 560 | 2 |
| 3,250 | 41.67 | 41.67 | 11.25 | 5.42 | 500 | 27 | 203 | 3 |
| 990 | 55.56 | 27.78 | 11.17 | 5.50 | 1,200 | 66 | 333 | 4 |
| —21,312 | 65.69 | 30.36 | 24.37 | —20.42 | 1,969 | —402 | 598 | 5 |
| —14,875 | 59.83 | 34.19 | 16.15 | —10.17 | 1,625 | —165 | 556 | 6 |
| 15,865 | 57.75 | 23.82 | 12.71 | 5.73 | 1,732 | 99 | 413 | 7 |
| —6,000 | 64.00 | 26.00 | 11.20 | —1.20 | 2,000 | —24 | 520 | 8 |
| —5,880 | 61.20 | 32.55 | 13.91 | —7.66 | 1,024 | —78 | 331 | 9 |
| 400 | 53.33 | 33.33 | 12.80 | .53 | 933 | 5 | 313 | 10 |
| 9,400 | 50.00 | 23.33 | 11.00 | 15.67 | 1,667 | 261 | 389 | 11 |
| 1,720 | 51.96 | 33.73 | 10.94 | 3.37 | 1,275 | 43 | 430 | 12 |
| 1,928 | 50.65 | 33.52 | 10.78 | 5.04 | 1,594 | 80 | 534 | 13 |
| 200 | 48.00 | 40.00 | 11.20 | .80 | 1,136 | 9 | 455 | 14 |
| 3,700 | 36.67 | 40.00 | 11.00 | 12.33 | 1,071 | 132 | 429 | 15 |
| —10 | 55.26 | 31.21 | 10.55 | —0.93 | 1,482 | a | 500 | 16 |
| 3,600 | 56.25 | 26.25 | 13.00 | 4.50 | 1,778 | 80 | 467 | 17 |
| 4,000 | 52.00 | 33.60 | 11.20 | 3.20 | 1,250 | 40 | 420 | 18 |
| 2,800 | 50.00 | 33.33 | 12.00 | 4.67 | 1,500 | 70 | 500 | 19 |
| 1,100 | 50.00 | 36.67 | 11.50 | 1.83 | 1,132 | 21 | 415 | 20 |
| —470 | 67.50 | 22.22 | 10.80 | —52 | 1,800 | —9 | 400 | 21 |
| 1,615 | 44.71 | 34.40 | 12.95 | 7.94 | 1,696 | 135 | 583 | 22 |
| —1,080 | 45.45 | 47.27 | 10.55 | —3.27 | 1,000 | —33 | 473 | 23 |
| 1,150 | 50.00 | 34.80 | 10.60 | 4.60 | 1,667 | 77 | 580 | 24 |
| 1,650 | 49.44 | 30.56 | 10.67 | 9.33 | 1,800 | 168 | 550 | 25 |
| 1,000 | 55.56 | 29.63 | 11.11 | 3.70 | 1,174 | 43 | 348 | 26 |
| 1,620 | 46.88 | 37.50 | 10.56 | 5.06 | 914 | 46 | 343 | 27 |
| 4,450 | 41.67 | 29.17 | 10.63 | 18.54 | 1,714 | 318 | 500 | 28 |
| —2,100 | 60.00 | 32.00 | 10.80 | —2.80 | 1,293 | —36 | 414 | 29 |
| 164,749 | 55.25 | 11.24 | 15.30 | 18.20 | 1,761 | 321 | 198 | 30 |

BOXES.

| | | | | | | | | |
|----------|-------|-------|-------|--------|-------|--------|-------|----|
| —\$2,050 | 52.08 | 50.00 | 15.00 | —17.08 | \$600 | —\$103 | \$300 | 1 |
| 15,300 | 31.25 | 25.00 | 11.88 | 31.88 | 1,518 | 494 | 387 | 2 |
| —3,720 | 42.86 | 50.00 | 11.57 | —4.43 | 1,050 | —47 | 525 | 3 |
| 564 | 53.82 | 39.77 | 11.64 | .77 | 1,045 | 1 | 333 | 4 |
| 40 | 42.86 | 45.71 | 11.37 | .06 | 1,000 | 8 | 457 | 5 |
| —10,300 | 56.82 | 33.85 | 14.62 | —5.28 | 1,696 | —90 | 574 | 6 |
| —5,683 | 70.56 | 21.87 | 11.42 | —3.86 | 2,781 | —107 | 608 | 7 |
| —2,700 | 65.22 | 35.09 | 11.04 | —2.35 | 1,533 | —36 | 400 | 8 |
| —3,900 | 57.25 | 34.35 | 11.37 | —2.98 | 1,048 | —31 | 360 | 9 |
| 27,913 | 49.34 | 20.46 | 11.60 | 18.61 | 1,630 | 303 | 334 | 10 |

Boxes—Continued.

| Number of es- tablishment. | Average num- ber of em- ployees | Capital invest- ed | Wages paid during the year | Stock used | Value of pro- duct | Gross profit or loss | Percentage of gross profit of value of pro- duct | Estimated in- terest and ex- penses |
|-------------------------------|---------------------------------------|-----------------------|----------------------------------|------------|-----------------------|-------------------------|---|---|
| 11 | 90 | \$10,000 | \$22,500 | \$90,000 | \$125,000 | \$12,500 | 10.00 | \$14,900 |
| 12 | 65 | 100,000 | 20,000 | 100,000 | 130,000 | 10,000 | 7.69 | 19,000 |
| 13 | 35 | 30,000 | 12,000 | 150,000 | 175,000 | 13,000 | 7.43 | 19,300 |
| 14 | 100 | 45,000 | 50,000 | 600,000 | 660,000 | 10,000 | 1.52 | 68,700 |
| 15 | 70 | 80,726 | 31,000 | 520,000 | 610,000 | 59,000 | 9.67 | 65,844 |
| 16 | 80 | 22,000 | 42,000 | 360,000 | 441,000 | 42,000 | 9.46 | 45,720 |
| 17 | 40 | 17,000 | 7,500 | 56,500 | 75,500 | 11,500 | 15.23 | 8,570 |
| 18 | 70 | 30,000 | 29,000 | 60,000 | 100,000 | 11,000 | 11.00 | 11,800 |
| 19 | 65 | 10,000 | 8,000 | 20,000 | 45,000 | 17,000 | 37.78 | 5,100 |
| 20 | 60 | 20,000 | 40,000 | 2,000 | 80,000 | 38,000 | 47.50 | 9,200 |
| 21 | 106 | 25,000 | 18,661 | 40,000 | 70,000 | 11,339 | 16.20 | 8,500 |
| 22 | 100 | 10,000 | 28,245 | 9,685 | 40,000 | 2,070 | 5.18 | 4,600 |
| 23 | 26 | 3,800 | 7,800 | 6,500 | 19,355 | 5,055 | 26.07 | 2,164 |
| 24 | 30 | 15,000 | 10,188 | 8,630 | 31,411 | 12,533 | 39.87 | 4,041 |
| 25 | 35 | 20,000 | 13,000 | 30,000 | 50,000 | 7,000 | 14.00 | 6,200 |
| 26 | 20 | 10,000 | 8,000 | 65,000 | 78,000 | 5,000 | 6.41 | 8,400 |
| 27 | 80 | 20,000 | 25,500 | 30,000 | 75,000 | 19,500 | 26.00 | 8,700 |
| 28 | 40 | 12,000 | 12,000 | 20,000 | 40,000 | 8,000 | 20.00 | 4,720 |
| 29 | 50 | 12,000 | 16,884 | 24,000 | 47,196 | 6,312 | 13.37 | 5,440 |
| 30 | 20 | 3,000 | 6,000 | 8,500 | 18,000 | 3,500 | 19.44 | 1,980 |
| 31 | 14 | 5,000 | 5,000 | 3,000 | 18,000 | 10,000 | 55.56 | 2,100 |
| 32 | 80 | 22,000 | 28,524 | 30,000 | 73,746 | 15,222 | 20.64 | 8,695 |

BRICK.

| | | | | | | | | |
|----|-----|----------|---------|---------|----------|---------|-------|---------|
| 1 | 36 | \$14,000 | \$7,658 | \$4,136 | \$16,500 | \$4,706 | 28.52 | \$2,490 |
| 2 | 14 | 6,000 | 5,500 | 2,750 | 11,000 | 2,750 | 25.00 | 1,460 |
| 3 | 40 | 15,000 | 9,125 | 4,560 | 18,250 | 4,565 | 25.01 | 2,725 |
| 4 | 50 | 20,000 | 13,750 | 6,875 | 27,500 | 6,875 | 25.00 | 3,950 |
| 5 | 21 | 6,000 | 5,500 | 2,750 | 11,000 | 2,760 | 25.00 | 1,460 |
| 6 | 17 | 4,500 | 5,250 | 2,625 | 10,500 | 2,625 | 25.00 | 1,320 |
| 7 | 18 | 10,000 | 5,500 | 2,750 | 11,000 | 2,750 | 25.00 | 1,700 |
| 8 | 20 | 4,000 | 6,000 | 3,000 | 12,000 | 3,000 | 25.00 | 1,440 |
| 9 | 18 | 5,000 | 5,500 | 2,750 | 11,000 | 2,750 | 25.00 | 1,400 |
| 10 | 45 | 20,000 | 9,000 | 4,500 | 18,000 | 4,500 | 25.00 | 3,000 |
| 11 | 18 | 10,000 | 6,875 | 3,450 | 13,750 | 3,425 | 24.91 | 1,975 |
| 12 | 14 | 6,000 | 5,500 | 2,750 | 11,000 | 2,750 | 25.00 | 1,460 |
| 13 | 20 | 5,000 | 5,000 | 3,000 | 12,000 | 4,000 | 33.33 | 1,500 |
| 14 | 80 | 20,000 | 40,000 | 6,700 | 78,000 | 31,300 | 40.13 | 9,000 |
| 15 | 70 | 45,000 | 29,000 | 12,700 | 66,000 | 24,300 | 36.82 | 9,500 |
| 16 | 50 | 26,000 | 15,000 | 3,000 | 27,000 | 9,000 | 33.33 | 4,260 |
| 17 | 60 | 6,000 | 18,000 | 3,000 | 39,000 | 9,000 | 30.00 | 3,580 |
| 18 | 22 | 5,000 | 7,200 | 3,350 | 15,000 | 4,450 | 29.67 | 1,800 |
| 19 | 40 | 6,000 | 15,000 | 4,000 | 26,000 | 7,000 | 26.92 | 2,960 |
| 20 | 45 | 20,000 | 15,000 | 3,000 | 30,000 | 12,000 | 40.00 | 4,200 |
| 21 | 40 | 15,000 | 15,000 | 2,500 | 24,000 | 6,500 | 27.08 | 3,300 |
| 22 | 35 | 3,000 | 12,000 | 2,400 | 21,000 | 6,600 | 31.43 | 2,280 |
| 23 | 17 | 5,000 | 6,600 | 1,200 | 10,000 | 2,200 | 22.00 | 1,300 |
| 24 | 50 | 15,000 | 18,000 | 5,000 | 35,000 | 12,000 | 34.29 | 4,400 |
| 25 | 75 | 10,000 | 20,000 | 16,000 | 42,000 | 6,000 | 14.29 | 4,800 |
| 26 | 60 | 15,000 | 20,000 | 1,800 | 26,000 | 4,200 | 16.15 | 3,500 |
| 27 | 96 | 8,000 | 37,500 | 9,300 | 51,500 | 4,700 | 9.13 | 5,630 |
| 28 | 24 | 2,000 | 6,000 | 3,000 | 12,500 | 3,500 | 28.00 | 1,370 |
| 29 | 18 | 2,000 | 5,500 | 2,700 | 10,000 | 1,800 | 18.00 | 1,120 |
| 30 | 15 | 5,000 | 6,000 | 2,500 | 10,000 | 2,500 | 25.00 | 1,120 |
| 31 | 170 | 50,000 | 76,000 | 10,000 | 100,000 | 14,000 | 14.00 | 13,000 |
| 32 | 30 | 2,500 | 12,500 | 5,000 | 25,000 | 7,500 | 30.00 | 2,650 |
| 33 | 60 | 6,000 | 19,200 | 4,000 | 40,000 | 16,800 | 42.00 | 4,560 |
| 34 | 37 | 9,000 | 13,865 | 2,600 | 22,500 | 6,035 | 26.82 | 2,790 |
| 35 | 40 | 100,000 | 12,500 | 20,000 | 45,000 | 12,500 | 27.78 | 10,500 |
| 36 | 16 | 8,500 | 6,270 | 3,125 | 12,810 | 3,415 | 26.66 | 1,791 |
| 37 | 39 | 20,000 | 7,000 | 2,750 | 13,000 | 3,250 | 25.00 | 2,500 |

Boxes—Continued.

| Net profit or loss..... | Percentage of stock used of value of product..... | Percentage of wages paid of value of product..... | Percentage of interest and expenses of value of product..... | Percentage of net profit or loss of value of product..... | Average yearly net profit per employe..... | Average yearly net profit or loss, per employe..... | Average yearly earnings of each employe..... | Number of establishments..... |
|-------------------------|---|---|--|---|--|---|--|-------------------------------|
| 2,400 | 72.00 | 18.00 | 11.92 | 1.92 | \$1,389 | 47 | \$250 | 11 |
| 9,000 | 76.92 | 15.38 | 14.62 | 6.92 | 2,000 | 138 | 308 | 12 |
| 16,300 | 85.71 | 6.86 | 11.63 | 3.60 | 5,000 | 180 | 343 | 13 |
| 58,700 | 91.00 | 7.58 | 10.41 | 8.89 | 6,600 | 587 | 400 | 14 |
| 6,844 | 85.25 | 5.08 | 10.79 | 1.12 | 8,714 | 98 | 443 | 15 |
| 3,720 | 81.08 | 9.46 | 10.30 | .84 | 5,550 | 47 | 525 | 16 |
| 2,930 | 74.83 | 9.93 | 11.35 | 3.88 | 1,888 | 73 | 188 | 17 |
| 800 | 60.00 | 29.00 | 11.80 | .80 | 1,429 | 11 | 414 | 18 |
| 11,900 | 44.44 | 17.78 | 11.33 | 26.44 | 692 | 183 | 123 | 19 |
| 28,800 | 2.50 | 50.00 | 11.50 | 36.00 | 1,333 | 480 | 667 | 20 |
| 2,839 | 57.14 | 26.66 | 12.14 | 4.06 | 660 | 27 | 176 | 21 |
| 2,530 | 24.21 | 70.61 | 11.50 | 6.33 | 400 | 25 | 282 | 22 |
| 2,801 | 31.58 | 40.30 | 12.18 | 14.94 | 744 | 111 | 300 | 23 |
| 8,492 | 27.67 | 32.43 | 12.86 | 27.04 | 1,047 | 283 | 339 | 24 |
| 800 | 60.00 | 26.00 | 12.40 | 1.60 | 1,429 | 23 | 371 | 25 |
| 3,400 | 83.33 | 10.26 | 10.77 | 4.38 | 3,900 | 170 | 400 | 26 |
| 10,800 | 40.00 | 34.00 | 11.60 | 14.40 | 938 | 135 | 319 | 27 |
| 3,280 | 50.00 | 30.00 | 11.80 | 8.20 | 1,000 | 82 | 300 | 28 |
| 872 | 50.85 | 35.77 | 11.53 | 1.95 | 944 | 17 | 358 | 29 |
| 1,620 | 47.22 | 33.33 | 11.00 | 8.44 | 900 | 70 | 300 | 30 |
| 7,900 | 16.67 | 27.78 | 11.67 | 43.89 | 1,286 | 564 | 357 | 31 |
| 6,527 | 40.68 | 38.68 | 11.79 | 8.85 | 922 | 82 | 357 | 32 |

BRICK.

| | | | | | | | | |
|---------|-------|-------|-------|-------|-------|------|-------|----|
| \$2,216 | 25.07 | 46.41 | 15.09 | 13.43 | \$458 | \$62 | \$213 | 1 |
| 1,290 | 25.00 | 50.00 | 13.27 | 11.73 | 786 | 92 | 393 | 2 |
| 1,840 | 24.99 | 50.00 | 14.93 | 10.08 | 456 | 46 | 228 | 3 |
| 2,925 | 25.00 | 50.00 | 14.36 | 10.64 | 550 | 59 | 275 | 4 |
| 1,290 | 25.00 | 50.00 | 13.27 | 11.73 | 524 | 61 | 262 | 5 |
| 1,305 | 25.00 | 50.00 | 12.57 | 12.43 | 618 | 77 | 369 | 6 |
| 1,050 | 25.00 | 50.00 | 15.45 | 9.55 | 611 | 58 | 306 | 7 |
| 1,560 | 25.00 | 50.00 | 12.00 | 13.00 | 600 | 78 | 300 | 8 |
| 1,350 | 25.00 | 50.00 | 12.73 | 12.27 | 611 | 75 | 306 | 9 |
| 1,500 | 25.00 | 50.00 | 16.67 | 8.33 | 400 | 33 | 200 | 10 |
| 1,450 | 25.09 | 50.00 | 14.36 | 10.55 | 761 | 81 | 382 | 11 |
| 1,290 | 25.00 | 50.00 | 13.27 | 11.73 | 786 | 92 | 393 | 12 |
| 2,500 | 25.00 | 41.67 | 12.50 | 20.83 | 600 | 125 | 250 | 13 |
| 22,800 | 8.59 | 51.28 | 11.54 | 28.59 | 975 | 279 | 500 | 14 |
| 15,000 | 19.24 | 43.94 | 14.09 | 22.73 | 943 | 214 | 414 | 15 |
| 4,740 | 11.11 | 55.56 | 15.78 | 17.56 | 540 | 95 | 300 | 16 |
| 5,610 | 10.00 | 60.00 | 11.20 | 18.80 | 500 | 94 | 300 | 17 |
| 2,650 | 22.33 | 48.00 | 12.00 | 17.67 | 682 | 120 | 327 | 18 |
| 4,040 | 15.38 | 57.69 | 11.98 | 15.54 | 650 | 101 | 375 | 19 |
| 7,800 | 10.00 | 59.00 | 14.00 | 26.00 | 667 | 173 | 333 | 20 |
| 3,200 | 10.42 | 62.50 | 13.75 | 13.33 | 600 | 80 | 375 | 21 |
| 4,320 | 11.43 | 57.14 | 10.86 | 20.57 | 600 | 123 | 343 | 22 |
| 900 | 12.00 | 66.00 | 13.00 | 9.00 | 588 | 53 | 388 | 23 |
| 7,600 | 14.29 | 51.43 | 12.57 | 21.71 | 700 | 152 | 360 | 24 |
| 1,200 | 38.10 | 47.62 | 11.43 | 2.86 | 560 | 16 | 267 | 25 |
| 700 | 6.92 | 76.92 | 13.46 | 2.69 | 433 | 12 | 333 | 26 |
| 990 | 18.06 | 72.82 | 10.93 | 1.81 | 536 | 10 | 391 | 27 |
| 2,130 | 24.00 | 48.00 | 10.96 | 17.04 | 521 | 89 | 250 | 28 |
| 680 | 27.00 | 55.00 | 11.20 | 6.80 | 556 | 38 | 306 | 29 |
| 1,380 | 25.00 | 50.00 | 11.20 | 13.80 | 667 | 92 | 333 | 30 |
| 1,000 | 10.00 | 76.00 | 13.00 | 1.00 | 588 | 6 | 447 | 31 |
| 4,850 | 20.00 | 50.00 | 10.60 | 19.40 | 833 | 162 | 417 | 32 |
| 12,440 | 10.00 | 48.00 | 10.90 | 31.10 | 667 | 207 | 320 | 33 |
| 3,245 | 11.56 | 61.62 | 12.40 | 14.42 | 608 | 88 | 375 | 34 |
| 2,000 | 44.44 | 27.78 | 23.33 | 4.44 | 1,125 | 50 | 313 | 35 |
| 1,624 | 24.40 | 48.95 | 13.98 | 12.68 | 801 | 102 | 392 | 36 |
| 750 | 21.15 | 53.85 | 19.23 | 5.77 | 333 | 19 | 179 | 37 |

Brick—Continued.

| Number of es- tablishment.. | Average num- ber of em- ployees..... | Capital invest- ed..... | Wages paid during the year..... | Stock used.... | Value of pro- duct..... | Gross profit or loss..... | Percentage of gross profit of value of pro- duct..... | Estimated in- terest and ex- penses..... |
|--------------------------------|--|----------------------------|---------------------------------------|----------------|----------------------------|------------------------------|--|--|
| 38 | 31 | \$12,000 | \$5,905 | \$11,845 | \$25,000 | \$7,250 | 29.00 | \$3,220 |
| 39 | 20 | 39,000 | 7,710 | 17,860 | 36,000 | 10,430 | 18.97 | 5,940 |
| 40 | 21 | 9,000 | 5,600 | 2,700 | 11,000 | 2,700 | 24.55 | 1,640 |
| 41 | 17 | 5,000 | 6,000 | 3,650 | 13,000 | 3,350 | 25.77 | 1,600 |
| 42 | 35 | 10,000 | 8,000 | 5,500 | 18,000 | 4,500 | 25.00 | 2,400 |
| 43 | 10 | 4,000 | 5,000 | 2,600 | 10,000 | 2,400 | 24.00 | 1,240 |
| 44 | 50 | 100,000 | 12,000 | 17,000 | 40,000 | 11,000 | 27.50 | 10,000 |
| 45 | 20 | 2,250 | 5,440 | 2,060 | 10,000 | 2,500 | 25.00 | 1,135 |
| 46 | 30 | 77,748 | 6,275 | 16,445 | 32,525 | 9,805 | 30.15 | 7,918 |
| 47 | 20 | 40,000 | 8,000 | 13,300 | 30,000 | 8,700 | 29.00 | 5,400 |
| 48 | 30 | 25,000 | 10,000 | 15,210 | 35,000 | 9,790 | 27.97 | 5,000 |
| 49 | 20 | 32,000 | 6,000 | 15,300 | 30,000 | 8,700 | 29.00 | 4,920 |
| 50 | 30 | 20,000 | 6,000 | 2,500 | 11,500 | 3,000 | 26.09 | 2,350 |
| 51 | 30 | 15,000 | 5,900 | 16,110 | 31,000 | 8,930 | 29.00 | 4,000 |

BROOMS AND BRUSHES.

| 1 | 65 | \$18,000 | \$16,650 | \$35,000 | \$55,000 | \$3,350 | 6.09 | \$6,580 |
|---|----|----------|----------|----------|----------|---------|-------|---------|
| 2 | 90 | 125,000 | 38,000 | 103,500 | 154,000 | 12,500 | 8.12 | 22,900 |
| 3 | 30 | 14,000 | 10,000 | 10,750 | 25,000 | 4,250 | 17.00 | 3,340 |
| 4 | 8 | 15,000 | 5,200 | 15,000 | 35,000 | 14,800 | 42.29 | 4,400 |
| 5 | 16 | 10,000 | 9,500 | 22,200 | 35,000 | 3,300 | 9.43 | 4,100 |
| 6 | 40 | 25,000 | 10,556 | 17,472 | 35,000 | 6,972 | 19.92 | 5,000 |
| 7 | 39 | 10,000 | 6,500 | 16,000 | 40,000 | 17,500 | 43.75 | 4,600 |
| 8 | 20 | 5,000 | 6,000 | 10,000 | 18,000 | 2,000 | 11.11 | 2,100 |

BUILDING.

| | | | | | | | | |
|----|-----|---------|---------|----------|----------|---------|-------|---------|
| 1 | 12 | \$5,000 | \$7,000 | \$10,000 | \$25,000 | \$8,000 | 32.00 | \$2,800 |
| 2 | 153 | 75,000 | 72,308 | 105,000 | 200,000 | 22,692 | 11.35 | 24,500 |
| 3 | 36 | 10,000 | 20,000 | 18,328 | 41,446 | 3,118 | 7.52 | 4,745 |
| 4 | 31 | 20,000 | 15,200 | 11,800 | 34,250 | 6,250 | 18.80 | 4,525 |
| 5 | 20 | 5,000 | 6,316 | 16,984 | 23,900 | 600 | 2.51 | 2,690 |
| 6 | 16 | 200 | 10,000 | 12,000 | 25,000 | 3,000 | 12.00 | 2,512 |
| 7 | 12 | 2,000 | 8,762 | 5,000 | 15,000 | 1,238 | 8.25 | 1,620 |
| 8 | 25 | 7,000 | 15,600 | 20,000 | 36,000 | 400 | 1.11 | 4,020 |
| 9 | 67 | 10,000 | 36,000 | 30,000 | 76,000 | 10,000 | 13.16 | 8,200 |
| 10 | 30 | 10,000 | 12,000 | 20,000 | 38,000 | 6,000 | 15.79 | 4,400 |
| 11 | 25 | 10,000 | 13,125 | 27,404 | 51,000 | 10,471 | 20.53 | 5,700 |
| 12 | 12 | 1,000 | 7,776 | 3,300 | 12,183 | 1,107 | 9.09 | 1,278 |
| 13 | 9 | 2,000 | 6,240 | 1,800 | 12,000 | 3,960 | 33.00 | 1,320 |
| 14 | 10 | 400 | 6,240 | 2,400 | 9,500 | 860 | 9.05 | 974 |
| 15 | 400 | 25,000 | 165,000 | 250,000 | 425,000 | 10,000 | 2.35 | 44,000 |
| 16 | 20 | 1,000 | 6,000 | 8,000 | 18,000 | 4,000 | 22.22 | 1,860 |
| 17 | 8 | 1,000 | 6,000 | 6,000 | 13,800 | 1,800 | 13.04 | 1,440 |
| 18 | 25 | 4,500 | 13,000 | 10,500 | 28,500 | 5,000 | 17.54 | 3,120 |
| 19 | 22 | 13,000 | 12,950 | 30,250 | 48,275 | 6,075 | 10.61 | 5,608 |
| 20 | 12 | 500 | 8,056 | 20,112 | 30,321 | 2,153 | 7.10 | 3,062 |
| 21 | 18 | 12,000 | 8,560 | 12,191 | 23,163 | 2,412 | 10.41 | 3,036 |
| 22 | 12 | 5,000 | 7,200 | 19,300 | 30,500 | 3,500 | 11.67 | 3,300 |
| 23 | 30 | 10,000 | 10,000 | 15,000 | 30,000 | 5,000 | 16.67 | 3,600 |
| 24 | 11 | 2,000 | 7,000 | 4,500 | 14,000 | 2,500 | 17.86 | 1,520 |
| 25 | 16 | 800 | 8,000 | 25,000 | 35,000 | 2,000 | 5.71 | 3,548 |
| 26 | 15 | 5,000 | 7,000 | 30,000 | 40,000 | 3,000 | 7.50 | 4,300 |
| 27 | 33 | 10,000 | 19,000 | 21,000 | 50,000 | 10,000 | 20.00 | 9,900 |
| 28 | 80 | 40,000 | 52,100 | 75,000 | 150,000 | 22,900 | 15.26 | 17,400 |
| 29 | 40 | 20,000 | 28,000 | 50,000 | 90,000 | 12,000 | 13.33 | 10,200 |
| 30 | 25 | 15,000 | 15,000 | 50,000 | 100,000 | 35,000 | 35.00 | 10,500 |

Brick—Continued.

| Net profit or loss..... | Percentage of stock used of value of product..... | Percentage of wages paid of value of product..... | Percentage of interest and expenses of value of product..... | Percentage of net profit or loss of value of product..... | Average yearly product per employe..... | Average yearly net profit or loss per employe..... | Average yearly earnings of each employe..... | Number of establishments..... |
|-------------------------|---|---|--|---|---|--|--|-------------------------------|
| \$4,030 | 47.38 | 23.62 | 12.88 | 16.12 | \$806 | \$130 | \$100 | 38 |
| 4,490 | 49.61 | 21.42 | 16.50 | 12.47 | 1,800 | 225 | 385 | 39 |
| 1,060 | 24.55 | 50.91 | 14.91 | 9.64 | 524 | 50 | 267 | 40 |
| 1,750 | 28.08 | 46.15 | 12.31 | 13.46 | 765 | 103 | 353 | 41 |
| 2,100 | 30.56 | 44.44 | 13.33 | 11.67 | 511 | 60 | 225 | 42 |
| 1,160 | 26.00 | 50.00 | 12.40 | 11.00 | 1,000 | 116 | 500 | 43 |
| 1,000 | 42.50 | 30.00 | 25.00 | 2.50 | 800 | 20 | 240 | 44 |
| 1,365 | 29.60 | 54.40 | 11.35 | 13.65 | 500 | 68 | 272 | 45 |
| 1,887 | 50.56 | 19.29 | 24.34 | 5.80 | 1,626 | 94 | 314 | 46 |
| 3,300 | 44.33 | 26.67 | 18.00 | 11.00 | 1,500 | 165 | 400 | 47 |
| 4,790 | 43.46 | 28.57 | 14.29 | 13.69 | 1,167 | 160 | 333 | 48 |
| 3,780 | 51.00 | 20.00 | 16.40 | 12.60 | 1,500 | 189 | 300 | 49 |
| 650 | 21.74 | 52.17 | 20.43 | 5.65 | 1,383 | 22 | 200 | 50 |
| 4,990 | 51.97 | 19.03 | 12.90 | 16.10 | 1,033 | 166 | 197 | 51 |

BROOMS AND BRUSHES.

| | | | | | | | | |
|----------|-------|-------|-------|-------|-------|-------|-------|---|
| -\$3,290 | 63.64 | 30.27 | 11.96 | -5.87 | \$846 | -\$50 | \$256 | 1 |
| -10,400 | 67.21 | 24.68 | 14.47 | -6.75 | 1,711 | 116 | 422 | 2 |
| 910 | 43.00 | 40.00 | 13.36 | 3.64 | 833 | 30 | 333 | 3 |
| 10,400 | 42.86 | 14.86 | 12.57 | 29.71 | 4,375 | 1,300 | 650 | 4 |
| -800 | 63.43 | 27.14 | 11.71 | -2.29 | 2,188 | -50 | 594 | 5 |
| 1,972 | 49.92 | 30.16 | 14.29 | 5.63 | 875 | 49 | 264 | 6 |
| 12,900 | 40.00 | 16.25 | 11.50 | 32.25 | 1,026 | 331 | 167 | 7 |
| -100 | 55.56 | 31.33 | 11.67 | -5.6 | 900 | -5 | 300 | 8 |

BUILDING.

| | | | | | | | | |
|---------|-------|-------|-------|--------|---------|-------|-------|----|
| \$5,200 | 40.00 | 20.00 | 11.20 | 20.80 | \$2,983 | \$433 | \$583 | 1 |
| -1,608 | 52.50 | 36.15 | 12.25 | -.90 | 1,307 | -12 | 473 | 2 |
| -1,627 | 44.22 | 48.26 | 11.45 | -3.92 | 1,161 | -45 | 556 | 3 |
| 1,735 | 35.49 | 45.71 | 13.61 | 5.19 | 1,073 | 56 | 490 | 4 |
| -2,090 | 71.06 | 26.43 | 11.26 | -8.74 | 1,195 | -104 | 316 | 5 |
| 484 | 48.00 | 40.00 | 10.05 | 1.95 | 1,563 | 31 | 625 | 6 |
| -382 | 31.33 | 58.41 | 10.80 | -2.55 | 1,250 | -32 | 730 | 7 |
| -3,620 | 55.56 | 43.33 | 11.17 | -10.06 | 1,440 | -145 | 624 | 8 |
| 1,900 | 39.47 | 47.37 | 10.79 | 2.37 | 1,134 | 27 | 537 | 9 |
| 1,600 | 52.63 | 31.58 | 11.58 | 4.21 | 1,267 | 53 | 400 | 10 |
| 4,771 | 53.73 | 25.74 | 11.18 | 9.35 | 2,040 | 191 | 525 | 11 |
| -171 | 27.09 | 63.83 | 10.49 | -1.40 | 1,015 | -14 | 648 | 12 |
| 2,640 | 15.00 | 52.00 | 11.00 | 22.00 | 1,333 | 293 | 693 | 13 |
| -114 | 25.26 | 65.68 | 10.25 | -1.20 | 950 | -11 | 624 | 14 |
| -34,000 | 58.82 | 38.82 | 10.35 | -8.00 | 1,063 | -85 | 413 | 15 |
| 2,140 | 44.44 | 33.33 | 10.33 | 11.89 | 900 | 107 | 300 | 16 |
| 360 | 43.48 | 43.48 | 10.43 | 2.61 | 1,724 | 45 | 750 | 17 |
| 1,880 | 36.84 | 45.61 | 10.95 | 6.60 | 1,140 | 75 | 520 | 18 |
| -533 | 62.66 | 26.88 | 11.62 | -1.10 | 2,194 | -24 | 589 | 19 |
| -909 | 66.33 | 26.57 | 10.10 | -3.00 | 2,527 | -76 | 671 | 20 |
| -624 | 52.63 | 36.96 | 13.11 | -2.69 | 1,287 | -35 | 476 | 21 |
| 200 | 64.33 | 24.00 | 11.00 | .67 | 2,500 | 17 | 600 | 22 |
| 1,400 | 50.00 | 33.33 | 12.00 | 4.67 | 1,000 | 47 | 333 | 23 |
| 980 | 32.14 | 50.00 | 10.86 | 7.00 | 1,273 | 89 | 636 | 24 |
| -1,548 | 71.43 | 22.86 | 10.14 | -4.42 | 2,188 | -97 | 500 | 25 |
| -1,300 | 75.00 | 17.50 | 10.75 | -3.25 | 2,667 | -87 | 467 | 26 |
| 200 | 42.00 | 38.00 | 19.60 | .40 | 1,515 | 6 | 576 | 27 |
| 5,500 | 50.00 | 34.73 | 11.60 | 3.67 | 1,875 | 69 | 651 | 28 |
| 1,800 | 55.56 | 31.11 | 11.33 | 2.00 | 2,250 | 45 | 700 | 29 |
| 24,100 | 50.00 | 15.00 | 10.90 | 24.10 | 4,000 | 964 | 600 | 30 |

Building—Continued.

| Number of establishments.. | Average number of employees..... | Capital invested..... | Wages paid during the year..... | Stock used..... | Value of product..... | Gross profit or loss..... | Percentage of gross profit of value of product..... | Estimated indirect expenses..... |
|----------------------------|----------------------------------|-----------------------|---------------------------------|-----------------|-----------------------|---------------------------|---|----------------------------------|
| 31 | 35 | \$10,000 | \$19,000 | \$12,000 | \$10,000 | \$9,000 | 22.50 | \$1,000 |
| 32 | 22 | 5,000 | 15,000 | 16,000 | 35,000 | 4,000 | 11.43 | 3,800 |
| 33 | 12 | 2,000 | 7,500 | 20,000 | 30,000 | 2,500 | 8.33 | 8,120 |
| 34 | 75 | 10,000 | 45,000 | 50,000 | 103,000 | 8,000 | 7.77 | 10,900 |
| 35 | 18 | 2,000 | 12,000 | 15,000 | 30,000 | 5,000 | 10.00 | 3,130 |
| 36 | 16 | 4,000 | 10,000 | 15,000 | 25,000 | a— | a— | 2,740 |
| 37 | 10 | 5,000 | 5,025 | 43,500 | 55,000 | 5,875 | 10.68 | 2,800 |
| 38 | 12 | 1,000 | 6,000 | 15,000 | 23,000 | 2,000 | 8.70 | 3,360 |
| 39 | 15 | 1,200 | 3,675 | 51,825 | 69,000 | 7,500 | 10.87 | 6,972 |
| 40 | 30 | 6,000 | 10,000 | 20,000 | 40,000 | 10,000 | 25.00 | 4,350 |
| 41 | 35 | 5,000 | 25,000 | 30,000 | 60,500 | 5,500 | 9.09 | 6,350 |
| 42 | 13 | 7,000 | 8,325 | 29,500 | 43,000 | 5,175 | 12.03 | 4,720 |
| 43 | 40 | 6,000 | 19,687 | 35,000 | 60,000 | 5,313 | 8.86 | 6,260 |
| 44 | 20 | 5,000 | 8,000 | 20,000 | 35,000 | 7,000 | 20.00 | 5,900 |
| 45 | 25 | 5,000 | 12,500 | 55,000 | 75,000 | 7,500 | 10.00 | 7,000 |
| 46 | 24 | 4,000 | 11,812 | 30,500 | 45,000 | 2,588 | 5.75 | 4,710 |
| 47 | 20 | 3,000 | 10,500 | 17,500 | 30,000 | 2,000 | 6.67 | 3,180 |
| 48 | 40 | 3,000 | 16,575 | 23,425 | 40,000 | a— | a— | 4,180 |
| 49 | 30 | 3,000 | 8,750 | 16,450 | 29,000 | 2,800 | 10.00 | 2,980 |
| 50 | 14 | 1,500 | 5,950 | 9,500 | 18,000 | 2,550 | 14.17 | 1,890 |
| 51 | 25 | 10,000 | 12,500 | 49,000 | 70,000 | 8,500 | 12.14 | 7,600 |
| 52 | 60 | 7,000 | 30,900 | 21,000 | 58,000 | 6,100 | 10.52 | 6,220 |
| 53 | 35 | 5,000 | 13,500 | 38,500 | 60,000 | 8,000 | 13.33 | 6,300 |
| 54 | 15 | 2,000 | 7,200 | 14,500 | 24,000 | 2,300 | 9.58 | 2,520 |
| 55 | 30 | 5,000 | 13,500 | 61,000 | 80,000 | 5,500 | 6.88 | 5,300 |
| 56 | 30 | 3,500 | 12,800 | 32,500 | 50,000 | 4,700 | 9.40 | 5,210 |
| 57 | 20 | 3,000 | 8,600 | 32,400 | 45,000 | 4,000 | 8.89 | 4,600 |
| 58 | 75 | 10,000 | 39,200 | 45,400 | 93,000 | 8,400 | 9.03 | 9,900 |
| 59 | 20 | 6,000 | 12,150 | 53,000 | 70,000 | 4,850 | 6.93 | 7,350 |
| 60 | 25 | 5,000 | 9,600 | 20,500 | 35,000 | 4,900 | 14.00 | 3,800 |
| 61 | 24 | 2,500 | 9,600 | 53,000 | 65,500 | 2,900 | 4.43 | 6,700 |
| 62 | 30 | 5,000 | 7,950 | 30,000 | 40,000 | 2,050 | 5.13 | 4,300 |
| 63 | 30 | 5,000 | 15,000 | 20,000 | 40,000 | 5,000 | 12.50 | 4,300 |
| 64 | 20 | 4,000 | 8,800 | 14,650 | 27,950 | 4,500 | 16.10 | 3,055 |
| 65 | 12 | 3,000 | 5,400 | 5,600 | 12,000 | 1,000 | 8.33 | 1,380 |
| 66 | 40 | 2,000 | 21,750 | 35,250 | 60,000 | 3,000 | 5.00 | 6,120 |
| 67 | 22 | 1,500 | 12,850 | 5,700 | 19,500 | 950 | 4.87 | 2,040 |
| 68 | 30 | 5,000 | 16,275 | 47,500 | 70,000 | 6,225 | 8.89 | 7,300 |
| 69 | 50 | 5,000 | 29,325 | 134,500 | 175,000 | 11,175 | 6.39 | 17,800 |
| 70 | 14 | 4,000 | 7,200 | 21,400 | 30,000 | 1,400 | 4.67 | 3,240 |
| 71 | 12 | 2,000 | 7,150 | 12,150 | 21,000 | 1,700 | 8.10 | 2,235 |
| 72 | 35 | 8,000 | 14,000 | 18,000 | 34,000 | 2,000 | 5.88 | 3,800 |
| 73 | 100 | 10,000 | 49,000 | 70,000 | 130,500 | 11,900 | 9.09 | 13,600 |
| 74 | 200 | 10,000 | 100,000 | 242,000 | 390,000 | 18,000 | 4.61 | 36,600 |
| 75 | 40 | 8,000 | 25,000 | 25,000 | 55,000 | 5,000 | 9.09 | 5,900 |
| 76 | 50 | 2,000 | 19,000 | 32,000 | 60,000 | 9,000 | 15.00 | 6,120 |
| 77 | 40 | 5,000 | 10,000 | 40,000 | 55,000 | 6,000 | 10.71 | 5,900 |
| 78 | 80 | 30,000 | 45,000 | 85,000 | 145,000 | 15,000 | 1.03 | 16,300 |
| 79 | 62 | 48,000 | 31,763 | 83,000 | 124,000 | 9,237 | 7.45 | 15,280 |
| 80 | 150 | 100,000 | 80,000 | 140,000 | 250,000 | 30,000 | 12.00 | 31,000 |
| 81 | 10 | 2,000 | 6,000 | 6,000 | 14,000 | 2,000 | 14.29 | 1,530 |
| 82 | 20 | 2,000 | 6,400 | 6,000 | 20,000 | 7,000 | 35.00 | 2,130 |
| 83 | 19 | 6,000 | 7,500 | 50,000 | 70,000 | 12,500 | 17.86 | 7,360 |
| 84 | 15 | 2,600 | 6,240 | 2,500 | 9,930 | 1,150 | 11.51 | 1,155 |
| 85 | 25 | 8,250 | 5,850 | 8,250 | 16,110 | 2,000 | 12.41 | 2,005 |
| 86 | 13 | 9,000 | 5,000 | 9,000 | 15,000 | 1,000 | 6.67 | 2,040 |
| 87 | 12 | 2,000 | 7,000 | 11,000 | 18,500 | 500 | 2.70 | 1,970 |
| 88 | 30 | 3,000 | 10,000 | 60,000 | 75,000 | 5,000 | 6.67 | 7,680 |
| 89 | 30 | 3,500 | 18,000 | 25,000 | 45,000 | 2,000 | 4.45 | 4,710 |
| 90 | 22 | 1,000 | 8,000 | 8,000 | 21,000 | 5,000 | 23.81 | 2,160 |
| 91 | 64 | 50,000 | 21,000 | 60,000 | 120,000 | 36,000 | 30.00 | 15,000 |
| 92 | 16 | 1,300 | 6,000 | 6,000 | 15,000 | 3,000 | 20.00 | 1,578 |
| 93 | 10 | 2,000 | 5,000 | 13,800 | 20,000 | 1,200 | 6.00 | 2,120 |
| 94 | 15 | 2,500 | 6,000 | 6,000 | 15,000 | 3,000 | 20.00 | 1,650 |
| 95 | 25 | 10,000 | 8,170 | 1,000 | 15,000 | 5,800 | 38.67 | 2,100 |
| 96 | 10 | 12,000 | 5,460 | 5,000 | 15,000 | 4,540 | 30.27 | 2,220 |

Building—Continued.

| Net profit or loss | Percentage of stock used of value of product | Percentage of wages paid of value of product | Percentage of interest and expenses of value of product | Percentage of net profit or loss of value of product | Average yearly product per employe..... | Average yearly net profit or loss per employe..... | Average yearly earnings of each employe | Number of establishments..... |
|--------------------------|--|--|---|--|---|--|---|-------------------------------|
| \$4,400 | 30.00 | 47.50 | 11.50 | 11.00 | \$1,143 | \$126 | \$543 | 31 |
| 200 | 45.71 | 42.86 | 10.86 | 10.57 | 1,591 | 9 | 682 | 32 |
| 820 | 66.67 | 25.00 | 10.40 | -2.07 | 2,500 | -52 | 625 | 33 |
| -2,940 | 48.54 | 43.69 | 10.58 | -2.82 | 1,373 | -39 | 600 | 34 |
| 120 | 50.00 | 40.00 | 10.40 | -4.40 | 1,667 | -7 | 667 | 35 |
| -2,740 | 60.00 | 40.00 | 10.96 | -10.96 | 1,563 | -171 | 625 | 36 |
| 75 | 79.09 | 10.23 | 10.55 | 1.14 | 5,500 | 8 | 503 | 37 |
| -360 | 65.22 | 26.09 | 10.37 | -1.57 | 1,917 | -30 | 500 | 38 |
| 528 | 75.11 | 14.02 | 10.10 | 1.77 | 4,600 | 35 | 645 | 39 |
| 5,640 | 50.00 | 25.00 | 10.90 | 14.10 | 1,333 | 188 | 333 | 40 |
| -850 | 49.59 | 41.32 | 10.50 | -1.40 | 1,729 | -24 | 714 | 41 |
| 455 | 68.60 | 19.36 | 11.00 | 1.06 | 3,308 | 35 | 640 | 42 |
| -1,047 | 58.53 | 32.81 | 10.60 | -1.75 | 1,500 | -26 | 492 | 43 |
| 3,200 | 57.14 | 22.86 | 10.86 | 9.14 | 1,750 | 160 | 400 | 44 |
| -300 | 73.33 | 16.67 | 10.40 | -4.40 | 3,000 | -12 | 500 | 45 |
| -2,152 | 68.00 | 26.25 | 10.53 | -4.78 | 1,875 | -90 | 492 | 46 |
| -1,180 | 58.33 | 35.00 | 10.60 | -3.93 | 1,500 | -59 | 525 | 47 |
| -4,180 | 58.56 | 41.44 | 10.45 | -10.45 | 1,000 | -105 | 414 | 48 |
| -180 | 58.75 | 31.25 | 10.64 | -6.4 | 933 | -6 | 232 | 49 |
| 660 | 52.78 | 33.06 | 10.50 | 3.67 | 1,286 | 47 | 425 | 50 |
| 900 | 70.00 | 17.86 | 10.86 | 1.29 | 2,800 | 36 | 500 | 51 |
| -120 | 36.21 | 53.28 | 10.72 | -1.21 | 967 | -2 | 515 | 52 |
| 1,700 | 64.17 | 22.50 | 10.50 | 2.83 | 1,714 | 49 | 386 | 53 |
| -320 | 60.41 | 30.00 | 10.50 | 1.92 | 1,600 | -15 | 480 | 54 |
| -2,800 | 76.25 | 16.88 | 10.38 | -3.50 | 2,667 | -93 | 450 | 55 |
| -510 | 65.00 | 25.60 | 10.42 | -1.02 | 1,667 | -17 | 427 | 56 |
| -680 | 72.00 | 19.11 | 10.40 | -1.61 | 2,250 | -34 | 430 | 57 |
| -1,510 | 48.82 | 42.15 | 10.65 | -1.61 | 1,240 | -20 | 523 | 58 |
| 2,510 | 75.71 | 17.36 | 10.51 | -3.59 | 3,500 | -125 | 608 | 59 |
| 1,100 | 58.57 | 27.43 | 10.86 | 3.14 | 1,400 | 44 | 384 | 60 |
| -3,800 | 80.92 | 14.66 | 10.23 | -5.80 | 2,729 | -158 | 400 | 61 |
| -3,250 | 75.00 | 19.88 | 10.75 | -5.63 | 1,333 | -75 | 265 | 62 |
| 700 | 50.00 | 37.50 | 10.75 | 1.75 | 1,333 | 23 | 500 | 63 |
| 1,465 | 52.42 | 31.48 | 10.86 | 5.24 | 1,398 | 73 | 440 | 64 |
| -580 | 46.07 | 45.00 | 11.50 | -3.17 | 1,000 | -32 | 450 | 65 |
| -3,130 | 58.75 | 36.25 | 10.20 | -5.20 | 1,500 | -78 | 544 | 66 |
| -1,090 | 29.23 | 65.90 | 10.46 | -5.59 | 886 | -50 | 584 | 67 |
| -1,125 | 67.86 | 23.25 | 10.43 | -1.61 | 2,333 | -38 | 543 | 68 |
| -6,775 | 76.86 | 16.76 | 10.17 | -3.87 | 3,500 | -136 | 587 | 69 |
| -1,840 | 71.33 | 24.00 | 10.80 | -6.13 | 2,143 | -131 | 514 | 70 |
| -520 | 57.86 | 34.05 | 10.57 | -2.48 | 1,750 | -43 | 596 | 71 |
| -1,880 | 52.94 | 41.18 | 11.41 | -5.53 | 971 | -54 | 400 | 72 |
| -1,790 | 53.48 | 37.43 | 10.46 | -1.37 | 1,309 | -18 | 490 | 73 |
| -18,600 | 67.22 | 27.70 | 10.17 | -5.17 | 1,800 | -93 | 500 | 74 |
| -980 | 45.45 | 45.45 | 10.87 | -1.78 | 1,375 | -25 | 625 | 75 |
| 2,880 | 55.33 | 31.67 | 10.20 | 4.80 | 1,200 | 58 | 380 | 76 |
| 1,000 | 71.43 | 17.86 | 10.54 | -1.98 | 1,400 | 3 | 250 | 77 |
| -1,300 | 58.62 | 31.03 | 11.24 | -9.90 | 1,813 | -16 | 563 | 78 |
| -6,037 | 66.94 | 25.62 | 12.32 | -4.88 | 2,000 | -98 | 512 | 79 |
| 1,000 | 56.00 | 32.00 | 12.40 | -4.40 | 1,667 | -7 | 533 | 80 |
| 480 | 42.86 | 42.86 | 10.86 | 3.43 | 1,400 | 48 | 600 | 81 |
| 5,460 | 30.00 | 32.00 | 10.60 | 27.40 | 1,000 | 274 | 320 | 82 |
| 5,140 | 71.43 | 10.71 | 10.51 | 7.34 | 3,684 | 271 | 395 | 83 |
| 5 | 26.13 | 62.46 | 11.56 | -0.05 | 666 | a | 416 | 84 |
| -106 | 51.21 | 36.37 | 13.07 | -6.66 | 644 | -4 | 254 | 85 |
| -1,040 | 60.00 | 33.33 | 13.60 | -6.33 | 1,154 | -80 | 385 | 86 |
| -1,470 | 59.46 | 37.84 | 10.65 | -7.95 | 1,642 | -123 | 583 | 87 |
| -2,680 | 80.00 | 13.33 | 10.24 | -3.57 | 2,600 | -89 | 333 | 88 |
| -2,710 | 55.56 | 40.00 | 10.47 | -6.02 | 1,500 | -90 | 600 | 89 |
| 2,840 | 38.10 | 38.10 | 10.29 | 13.52 | 955 | 129 | 364 | 90 |
| 21,000 | 50.00 | 20.00 | 12.50 | 17.50 | 1,875 | 328 | 375 | 91 |
| 1,422 | 40.00 | 40.00 | 10.52 | 9.48 | 933 | 89 | 375 | 92 |
| -920 | 69.00 | 25.00 | 10.60 | -4.60 | 2,000 | -92 | 500 | 93 |
| 1,350 | 40.00 | 49.00 | 11.00 | 9.00 | 1,000 | 90 | 400 | 94 |
| 3,730 | 6.67 | 54.47 | 14.00 | 24.87 | 600 | 149 | 327 | 95 |
| 2,320 | 33.33 | 36.40 | 14.80 | 15.47 | 1,500 | 232 | 546 | 96 |

Building—Continued.

| Number of es- tablishment.. | Average num- ber of em- ployees..... | Capital invest- ed..... | Wages paid during the year..... | Stock used..... | Value of pro- duct..... | Gross profit or loss..... | Percentage of gross profit of value of pro- duct..... | Estimated in- terest and ex- penses..... |
|--------------------------------|--|----------------------------|---------------------------------------|-----------------|----------------------------|------------------------------|--|--|
| 97 | 65 | \$65,000 | \$35,000 | \$60,000 | \$100,000 | \$5,000 | 5.00 | \$13,900 |
| 98 | 20 | 3,000 | 6,240 | 25,000 | 40,000 | 8,760 | 21.90 | 4,180 |
| 99 | 20 | 1,000 | 5,000 | 30,000 | 40,000 | 5,000 | 12.50 | 4,060 |
| 100 | 35 | 4,000 | 7,800 | 20,000 | 29,400 | 1,600 | 5.44 | 3,180 |
| 101 | 18 | 8,000 | 9,000 | 65,000 | 78,000 | 4,000 | 5.13 | 8,280 |
| 102 | 10 | 4,000 | 5,000 | 10,000 | 16,500 | 1,500 | 9.09 | 1,890 |
| 103 | 18 | 6,000 | 7,500 | 14,000 | 23,650 | 2,150 | 9.09 | 2,725 |
| 104 | 22 | 6,000 | 15,000 | 30,000 | 58,000 | 13,000 | 22.41 | 6,180 |
| 105 | 13 | 4,000 | 7,200 | 4,500 | 13,512 | 1,812 | 13.41 | 1,375 |
| 106 | 10 | 10,000 | 5,000 | 5,000 | 12,500 | 2,500 | 20.00 | 1,310 |
| 107 | 30 | 13,000 | 11,000 | \$4,000 | 50,000 | 5,000 | 10.00 | 5,780 |

CARRIAGES AND WAGONS.

| | | | | | | | | |
|----|-----|-----------|----------|----------|----------|----------|-------|----------|
| 1 | 40 | \$100,000 | \$20,000 | \$42,000 | \$75,000 | \$13,000 | 17.33 | \$13,500 |
| 2 | 12 | 12,000 | 5,600 | 3,400 | 10,500 | 1,500 | 14.19 | 1,770 |
| 3 | 120 | 147,000 | 45,000 | 75,000 | 200,000 | 80,000 | 40.00 | 28,820 |
| 4 | 25 | 10,000 | 10,955 | 15,239 | 35,800 | 9,606 | 26.83 | 4,190 |
| 5 | 8 | 13,000 | 5,000 | 2,000 | 14,000 | 7,000 | 50.00 | 2,180 |
| 6 | 13 | 2,650 | 5,200 | 4,000 | 14,000 | 4,800 | 34.29 | 1,559 |
| 7 | 12 | 2,000 | 5,928 | 6,000 | 14,328 | 2,400 | 16.75 | 1,553 |
| 8 | 16 | 40,000 | 9,600 | 6,300 | 20,000 | 4,100 | 20.50 | 4,400 |
| 9 | 10 | 10,000 | 6,000 | 5,000 | 16,000 | 5,000 | 31.25 | 2,300 |
| 10 | 10 | 2,000 | 5,200 | 6,000 | 15,000 | 3,800 | 25.33 | 1,620 |
| 11 | 35 | 15,000 | 15,000 | 15,000 | 40,000 | 10,000 | 25.00 | 4,900 |
| 12 | 10 | 2,500 | 5,000 | 6,500 | 15,000 | 3,500 | 23.33 | 1,650 |
| 13 | 25 | 7,000 | 12,000 | 6,000 | 25,000 | 7,000 | 28.00 | 2,920 |
| 14 | 13 | 1,000 | 6,600 | 4,800 | 12,000 | 600 | 5.00 | 1,260 |
| 15 | 69 | 27,000 | 15,000 | 36,000 | 60,000 | 9,000 | 15.00 | 7,620 |
| 16 | 20 | 10,000 | 12,000 | 10,000 | 26,000 | 4,000 | 15.38 | 8,200 |
| 17 | 293 | 650,000 | 119,925 | 115,412 | 429,160 | 193,823 | 45.16 | 81,916 |
| 18 | 100 | 50,000 | 55,000 | 55,000 | 125,000 | 25,000 | 20.00 | 15,500 |
| 19 | 70 | 50,000 | 29,500 | 30,000 | 68,000 | 8,500 | 12.50 | 9,800 |
| 20 | 100 | 40,000 | 40,000 | 50,000 | 150,000 | 60,000 | 40.00 | 17,400 |
| 21 | 30 | 35,000 | 10,000 | 22,000 | 55,000 | 23,000 | 41.82 | 7,600 |
| 22 | 25 | 30,000 | 10,400 | 10,000 | 33,000 | 12,600 | 38.18 | 5,100 |
| 23 | 22 | 30,000 | 11,697 | 15,140 | 33,268 | 6,431 | 19.33 | 5,127 |
| 24 | 53 | 30,000 | 22,610 | 22,610 | 53,500 | 8,280 | 15.48 | 7,150 |
| 25 | 46 | 30,000 | 23,400 | 50,000 | 100,000 | 26,600 | 26.60 | 11,800 |
| 26 | 12 | 25,000 | 6,000 | 6,000 | 15,000 | 3,000 | 20.00 | 3,000 |
| 27 | 9 | 20,000 | 6,000 | 7,000 | 15,000 | 2,000 | 13.33 | 2,700 |
| 28 | 12 | 20,000 | 6,000 | 14,000 | 25,000 | 5,000 | 20.00 | 3,700 |
| 29 | 17 | 15,000 | 7,500 | 8,000 | 20,000 | 4,500 | 22.50 | 2,900 |
| 30 | 59 | 15,000 | 28,875 | 10,000 | 50,000 | 11,125 | 22.25 | 5,900 |
| 31 | 31 | 14,000 | 18,200 | 20,000 | 50,000 | 11,800 | 23.60 | 5,840 |
| 32 | 25 | 13,000 | 14,000 | 15,000 | 35,000 | 6,000 | 17.14 | 4,280 |
| 33 | 15 | 10,000 | 8,200 | 10,000 | 22,500 | 4,300 | 19.11 | 2,850 |
| 34 | 10 | 10,000 | 5,200 | 5,400 | 12,000 | 1,400 | 11.67 | 1,800 |
| 35 | 12 | 8,000 | 6,750 | 3,600 | 14,500 | 4,150 | 28.62 | 1,950 |
| 36 | 16 | 7,000 | 9,600 | 25,400 | 38,000 | 3,000 | 78.95 | 4,220 |
| 37 | 15 | 6,000 | 6,850 | 4,200 | 14,250 | 3,200 | 22.46 | 1,785 |
| 38 | 12 | 5,000 | 6,300 | 2,800 | 10,500 | 1,400 | 13.33 | 1,350 |
| 39 | 12 | 5,000 | 5,400 | 12,000 | 24,000 | 6,600 | 27.50 | 2,700 |
| 40 | 13 | 4,500 | 5,500 | 9,000 | 17,950 | 3,450 | 19.28 | 2,065 |
| 41 | 15 | 4,000 | 5,000 | 5,000 | 12,000 | 2,000 | 16.67 | 1,440 |
| 42 | 11 | 4,000 | 7,000 | 6,000 | 19,400 | 6,400 | 32.99 | 2,190 |
| 43 | 10 | 4,000 | 7,000 | 3,000 | 13,000 | 3,000 | 23.08 | 1,540 |
| 44 | 9 | 2,580 | 6,150 | 3,600 | 11,350 | 1,600 | 14.10 | 1,290 |
| 45 | 10 | 5,000 | 7,020 | 12,000 | 22,820 | 3,800 | 16.65 | 2,582 |
| 46 | 23 | 30,000 | 13,000 | 20,000 | 45,000 | 12,000 | 26.67 | 6,300 |
| 47 | 7 | 10,000 | 5,000 | 10,000 | 18,000 | 3,000 | 16.67 | 2,400 |

Building—Continued.

| Net profit or loss..... | Percentage of stock used of value of product..... | Percentage of wages paid of value of product..... | Percentage of interest and expenses of value of product..... | Percentage of net profit or loss of value of product.... | Average yearly product per employe..... | Average yearly net profit or loss per employe..... | Average yearly earnings of each employe | Number of establishments.. |
|-------------------------|---|---|--|--|---|--|---|----------------------------|
| —\$5,900 | 60.00 | 35.00 | 13.90 | —8.90 | \$1,538 | —\$137 | \$5.38 | 97 |
| 4,540 | 62.50 | 15.60 | 10.45 | 11.45 | 2,000 | 229 | 312 | 98 |
| 910 | 75.00 | 12.50 | 10.15 | 2.35 | 2,000 | 47 | 250 | 99 |
| —1,530 | 68.03 | 26.53 | 10.82 | —1.97 | 840 | —45 | 223 | 100 |
| —1,280 | 83.33 | 11.51 | 10.62 | —5.49 | 4,333 | —238 | 500 | 101 |
| —390 | 60.61 | 30.39 | 11.45 | —2.37 | 1,650 | —39 | 50.0 | 102 |
| —775 | 59.20 | 31.71 | 11.52 | —2.43 | 1,314 | —32 | 417 | 103 |
| 6,840 | 51.72 | 25.86 | 10.62 | 11.79 | 2,635 | 311 | 682 | 104 |
| 437 | 33.30 | 53.23 | 10.18 | 3.23 | 1,039 | 34 | 551 | 105 |
| 1,190 | 40.00 | 40.00 | 10.48 | 9.52 | 1,250 | 119 | 540 | 106 |
| —780 | 68.00 | 22.00 | 11.56 | —1.56 | 1,667 | —26 | 367 | 107 |

a Less than one dollar loss.

CARRIAGES AND WAGONS.

| | | | | | | | | |
|---------|-------|-------|-------|-------|---------|-------|-------|----|
| —\$500 | 56.00 | 26.67 | 18.00 | — .67 | \$1,875 | —\$13 | \$500 | 1 |
| —270 | 32.38 | 53.33 | 16.86 | —2.57 | 875 | —23 | 467 | 2 |
| 51,190 | 37.50 | 22.50 | 14.41 | 25.59 | 1,667 | 427 | 375 | 3 |
| 5,425 | 42.57 | 30.60 | 11.67 | 15.16 | 1,432 | 217 | 438 | 4 |
| 4,820 | 14.29 | 35.71 | 15.57 | 34.43 | 1,750 | 603 | 625 | 5 |
| 3,241 | 28.57 | 37.14 | 11.14 | 23.15 | 1,077 | 249 | 460 | 6 |
| 847 | 41.88 | 41.40 | 18.39 | 5.91 | 1,194 | 71 | 494 | 7 |
| —390 | 31.50 | 48.00 | 22.00 | —1.50 | 1,250 | —19 | 600 | 8 |
| 2,900 | 31.25 | 37.50 | 13.75 | 17.50 | 1,600 | 290 | 600 | 9 |
| 2,180 | 40.00 | 34.67 | 10.80 | 14.53 | 1,500 | 218 | 520 | 10 |
| 5,100 | 37.50 | 37.50 | 12.25 | 12.75 | 1,143 | 146 | 429 | 11 |
| 1,850 | 43.33 | 33.33 | 11.00 | 12.33 | 1,500 | 185 | 500 | 12 |
| 4,080 | 24.00 | 48.00 | 11.68 | 16.32 | 1,000 | 163 | 480 | 13 |
| —660 | 40.00 | 55.00 | 10.50 | —5.50 | 923 | —51 | 508 | 14 |
| 1,390 | 60.00 | 25.00 | 12.70 | 2.30 | 1,000 | 25 | 250 | 15 |
| 800 | 38.46 | 46.15 | 12.31 | 3.08 | 1,300 | 40 | 600 | 16 |
| 111,807 | 28.89 | 27.01 | 19.09 | 26.08 | 1,465 | 382 | 409 | 17 |
| 9,500 | 44.00 | 36.00 | 12.40 | 7.60 | 1,250 | 95 | 450 | 18 |
| —1,300 | 44.12 | 43.38 | 14.41 | —1.91 | 971 | —19 | 421 | 19 |
| 42,600 | 33.33 | 26.67 | 11.60 | 28.40 | 1,500 | 426 | 400 | 20 |
| 15,400 | 40.00 | 18.18 | 13.82 | 28.00 | 1,833 | 513 | 333 | 21 |
| 7,500 | 30.30 | 31.52 | 15.45 | 22.73 | 1,320 | 300 | 416 | 22 |
| 1,304 | 45.51 | 35.16 | 15.41 | 5.92 | 1,512 | 59 | 532 | 23 |
| 1,130 | 42.26 | 42.26 | 13.36 | 2.11 | 1,009 | 21 | 427 | 24 |
| 14,900 | 50.00 | 23.40 | 11.80 | 14.80 | 2,174 | 322 | 509 | 25 |
| a | 40.00 | 20.00 | 20.00 | a | 1,250 | a | 500 | 26 |
| —700 | 46.67 | 40.00 | 18.00 | —4.67 | 1,067 | —78 | 667 | 27 |
| 1,300 | 56.00 | 24.00 | 14.80 | 5.20 | 2,083 | 108 | 500 | 28 |
| 1,600 | 40.00 | 37.50 | 14.50 | 8.00 | 1,176 | 94 | 441 | 29 |
| 5,225 | 20.00 | 57.75 | 11.80 | 10.45 | 847 | 89 | 489 | 30 |
| 5,960 | 40.00 | 36.40 | 11.68 | 11.92 | 1,613 | 192 | 587 | 31 |
| 1,720 | 43.86 | 40.00 | 12.23 | 4.91 | 1,400 | 69 | 560 | 32 |
| 1,450 | 44.44 | 36.45 | 12.67 | 6.44 | 1,500 | 97 | 547 | 33 |
| —400 | 45.90 | 43.33 | 15.00 | —3.33 | 1,300 | —40 | 520 | 34 |
| 2,220 | 24.83 | 45.55 | 13.31 | 15.31 | 1,208 | 185 | 563 | 35 |
| —1,220 | 66.64 | 25.23 | 11.11 | —3.21 | 2,375 | —76 | 600 | 36 |
| 1,415 | 29.47 | 48.07 | 12.53 | 9.93 | 950 | 94 | 457 | 37 |
| 50 | 26.67 | 60.00 | 12.86 | .48 | 875 | 4 | 525 | 38 |
| 3,300 | 50.00 | 22.50 | 11.25 | 16.25 | 2,000 | 325 | 450 | 39 |
| 1,385 | 50.14 | 30.64 | 11.50 | 7.72 | 1,381 | 107 | 423 | 40 |
| 560 | 41.67 | 41.67 | 12.00 | 4.67 | 800 | 37 | 333 | 41 |
| 4,220 | 30.33 | 36.08 | 11.24 | 21.75 | 1,764 | 384 | 636 | 42 |
| 1,650 | 28.08 | 53.85 | 11.65 | 11.23 | 1,300 | 146 | 700 | 43 |
| 310 | 31.72 | 54.19 | 11.37 | 2.73 | 1,261 | 34 | 683 | 44 |
| 1,218 | 52.59 | 30.76 | 11.31 | 5.34 | 2,282 | 122 | 702 | 45 |
| 5,700 | 44.44 | 23.89 | 14.00 | 12.67 | 1,800 | 228 | 520 | 46 |
| 600 | 55.56 | 27.78 | 13.33 | 3.33 | 2,571 | 86 | 714 | 47 |

Carriages and Wagons—Continued.

| | Number of es- tablishment.. | Average num- ber of em- ployés..... | Capital invest- ed..... | Wages paid during the year..... | Stock used.... | Value of pro- duct..... | Gross profit or loss..... | Percentage of gross profit of value of pro- duct..... | Estimated in- terest and ex- penses..... |
|----|--------------------------------|---|----------------------------|---------------------------------------|----------------|----------------------------|------------------------------|--|--|
| 48 | 30 | \$15,000 | \$12,828 | \$19,300 | \$39,455 | \$7,327 | 18.57 | \$4,846 | |
| 49 | 12 | 8,800 | 6,240 | 4,200 | 13,000 | 2,560 | 19.69 | 1,828 | |
| 50 | 30 | 40,000 | 11,000 | 17,000 | 35,000 | 7,000 | 20.00 | 5,900 | |
| 51 | 75 | 10,000 | 36,000 | 80,000 | 135,000 | 19,000 | 14.07 | 14,100 | |
| 52 | 10 | 5,000 | 5,000 | 6,000 | 13,000 | 2,000 | 15.38 | 1,600 | |
| 53 | 14 | 25,000 | 6,000 | 15,000 | 35,000 | 14,000 | 40.00 | 5,000 | |
| 54 | 16 | 10,000 | 5,500 | 5,000 | 12,000 | 1,500 | 12.50 | 1,800 | |
| 55 | 15 | 11,000 | 5,500 | 7,000 | 15,000 | 2,500 | 16.67 | 2,160 | |
| 56 | 18 | 4,000 | 6,350 | 8,400 | 16,250 | 1,500 | 9.23 | 1,865 | |
| 57 | 10 | 10,000 | 5,000 | 5,000 | 15,000 | 5,000 | 33.33 | 2,100 | |
| 58 | 10 | 6,000 | 5,500 | 5,000 | 13,000 | 2,500 | 19.31 | 1,660 | |
| 59 | 12 | 5,000 | 5,500 | 6,000 | 20,000 | 8,500 | 42.50 | 2,300 | |
| 60 | 11 | 6,000 | 5,000 | 4,000 | 20,000 | 11,000 | 55.00 | 2,360 | |
| 61 | 13 | 12,000 | 7,000 | 9,000 | 18,000 | 2,000 | 11.11 | 2,520 | |
| 62 | 10 | 15,000 | 6,260 | 8,000 | 22,000 | 7,740 | 35.18 | 3,100 | |
| 63 | 20 | 20,000 | 5,179 | 10,318 | 17,311 | 1,814 | 10.48 | 2,831 | |
| 64 | 12 | 10,000 | 7,500 | 8,750 | 24,800 | 8,550 | 34.48 | 3,080 | |
| 65 | 16 | 17,000 | 7,500 | 27,300 | 55,200 | 20,400 | 36.94 | 6,540 | |
| 66 | 11 | 18,500 | 5,000 | 10,200 | 22,000 | 6,800 | 30.91 | 3,010 | |
| 67 | 9 | 2,000 | 6,000 | 25,000 | 35,000 | 4,000 | 11.43 | 3,620 | |
| 68 | 10 | 6,000 | 6,000 | 4,000 | 15,000 | 5,000 | 33.33 | 1,860 | |
| 69 | 40 | 50,000 | 15,500 | 50,000 | 75,000 | 9,400 | 12.53 | 10,500 | |
| 70 | 10 | 10,000 | 5,000 | 6,000 | 20,000 | 9,000 | 45.00 | 2,600 | |
| 71 | 12 | 20,000 | 5,000 | 8,000 | 15,000 | 2,000 | 13.33 | 2,700 | |
| 72 | 228 | 300,000 | 110,000 | 340,000 | 500,000 | 50,000 | 10.00 | 68,000 | |
| 73 | 20 | 10,000 | 6,000 | 9,000 | 25,000 | 10,000 | 40.00 | 3,100 | |
| 74 | 20 | 40,000 | 12,500 | 12,500 | 40,000 | 15,000 | 37.50 | 6,400 | |
| 75 | 20 | 20,000 | 10,000 | 15,000 | 33,000 | 8,000 | 24.24 | 4,500 | |
| 76 | 35 | 25,000 | 14,300 | 45,000 | 71,160 | 11,860 | 16.67 | 8,616 | |
| 77 | 8 | 5,000 | 5,000 | 7,000 | 12,429 | 429 | 3.45 | 1,543 | |
| 78 | 130 | 300,000 | 70,800 | 162,000 | 296,000 | 63,200 | 21.35 | 47,600 | |
| 79 | 15 | 15,000 | 6,982 | 10,000 | 19,000 | 2,018 | 10.62 | 2,800 | |
| 80 | 12 | 18,000 | 6,400 | 9,500 | 18,500 | 2,600 | 14.05 | 2,930 | |
| 81 | 21 | 20,000 | 7,500 | 12,000 | 27,000 | 7,500 | 27.78 | 3,900 | |
| 82 | 25 | 30,000 | 10,000 | 25,000 | 40,000 | 5,000 | 12.50 | 5,800 | |
| 83 | 12 | 2,500 | 5,000 | 3,800 | 11,000 | 2,200 | 20.00 | 1,250 | |

CHEMICAL PREPARATIONS.

| | | | | | | | | |
|----|-----|----------|---------|---------|----------|----------|-------|---------|
| 1 | 21 | \$12,750 | \$6,500 | \$1,500 | \$30,000 | \$22,000 | 73.33 | \$3,765 |
| 2 | 120 | 200,000 | 52,000 | 240,000 | 325,000 | 33,000 | 10.15 | 44,500 |
| 3 | 25 | 100,000 | 14,000 | 175,000 | 230,000 | 41,000 | 17.83 | 29,000 |
| 4 | 30 | 30,000 | 10,000 | 30,000 | 60,000 | 20,000 | 33.33 | 7,800 |
| 5 | 75 | 100,000 | 31,350 | 450,000 | 560,000 | 78,550 | 14.04 | 62,000 |
| 6 | 90 | 35,000 | 30,000 | 180,000 | 250,000 | 40,000 | 16.00 | 27,100 |
| 7 | 20 | 60,000 | 10,500 | 50,000 | 80,000 | 19,500 | 24.38 | 11,600 |
| 8 | 220 | 150,000 | 42,000 | 307,400 | 450,000 | 100,600 | 22.36 | 54,000 |
| 9 | 32 | 8,000 | 14,320 | 41,823 | 68,866 | 12,718 | 18.47 | 7,367 |
| 10 | 60 | 100,000 | 36,000 | 280,000 | 350,000 | 34,000 | 9.71 | 41,000 |
| 11 | 90 | 200,000 | 38,700 | 438,020 | 650,400 | 173,680 | 26.70 | 77,040 |

Carriages and Wagons—Continued.

| Net profit or loss,..... | Percentage of stock used of value of product..... | Percentage of wages paid of value of product..... | Percentage of interest and expenses of value of product..... | Percentage of loss of value of product..... | Average yearly product per employe..... | Average yearly net profit or loss per employe..... | Average yearly earnings of each employe | Number of establishment... |
|--------------------------|---|---|--|---|---|--|---|----------------------------|
| \$2,481 | 48.92 | 32.51 | 12.28 | 6.29 | \$1,315 | \$83 | \$428 | 48 |
| 782 | 32.31 | 48.00 | 14.06 | 5.63 | 1,068 | 61 | 520 | 49 |
| 1,100 | 48.57 | 31.43 | 16.86 | 3.14 | 1,167 | 37 | 367 | 50 |
| 4,900 | 59.26 | 26.67 | 10.45 | 3.63 | 1,800 | 65 | 480 | 51 |
| 400 | 46.16 | 38.46 | 12.31 | 3.08 | 1,300 | 40 | 500 | 52 |
| 9,000 | 42.86 | 17.14 | 14.29 | 25.71 | 2,500 | 643 | 429 | 53 |
| 300 | 41.67 | 45.83 | 15.00 | -2.50 | 750 | 19 | 314 | 54 |
| 340 | 46.67 | 36.67 | 14.40 | 2.27 | 1,000 | 23 | 367 | 55 |
| 365 | 51.69 | 39.06 | 11.48 | -2.25 | 903 | 20 | 353 | 56 |
| 2,900 | 33.33 | 33.33 | 14.00 | 19.33 | 1,500 | 290 | 500 | 57 |
| 840 | 38.46 | 42.31 | 12.77 | 6.46 | 1,300 | 84 | 550 | 58 |
| 6,200 | 30.00 | 27.50 | 21.50 | 31.00 | 1,667 | 517 | 458 | 59 |
| 8,640 | 20.00 | 25.00 | 11.80 | 43.20 | 1,815 | 785 | 455 | 60 |
| 520 | 50.00 | 38.89 | 14.00 | -2.89 | 1,385 | 40 | 538 | 61 |
| 4,640 | 36.36 | 28.45 | 14.09 | 21.09 | 2,200 | 461 | 626 | 62 |
| 1,117 | 59.60 | 29.92 | 16.93 | -6.45 | 866 | 56 | 259 | 63 |
| 5,470 | 35.28 | 30.24 | 12.42 | 22.06 | 2,067 | 456 | 625 | 64 |
| 13,860 | 49.46 | 13.59 | 11.85 | 25.11 | 3,450 | 806 | 469 | 65 |
| 3,790 | 46.36 | 22.73 | 13.68 | 17.23 | 2,000 | 345 | 455 | 66 |
| 380 | 71.43 | 17.14 | 10.34 | 1.09 | 3,889 | 42 | 667 | 67 |
| 3,140 | 26.67 | 40.90 | 12.40 | 20.93 | 1,500 | 314 | 600 | 68 |
| 1,100 | 66.67 | 20.80 | 14.00 | -1.47 | 1,875 | 28 | 300 | 69 |
| 6,400 | 30.00 | 25.00 | 13.00 | 32.00 | 2,600 | 640 | 500 | 70 |
| 700 | 53.33 | 33.33 | 18.00 | -4.67 | 1,250 | 58 | 417 | 71 |
| 18,000 | 68.00 | 22.00 | 13.60 | -3.60 | 2,193 | 79 | 482 | 72 |
| 6,300 | 36.00 | 24.00 | 12.40 | 27.60 | 1,250 | 345 | 300 | 73 |
| 8,600 | 31.25 | 31.25 | 16.00 | 21.50 | 2,000 | 430 | 625 | 74 |
| 3,500 | 45.45 | 30.30 | 13.64 | 10.61 | 1,650 | 175 | 500 | 75 |
| 3,244 | 63.24 | 20.10 | 12.11 | 4.56 | 2,083 | 93 | 409 | 76 |
| 1,114 | 56.32 | 40.23 | 12.42 | -8.96 | 1,754 | 139 | 625 | 77 |
| 15,600 | 54.73 | 23.92 | 16.08 | 5.27 | 2,277 | 120 | 545 | 78 |
| 782 | 52.63 | 36.75 | 14.74 | -4.12 | 1,267 | 52 | 465 | 79 |
| 330 | 51.35 | 34.59 | 15.84 | -1.78 | 1,542 | 28 | 533 | 80 |
| 3,600 | 44.44 | 27.78 | 14.44 | 13.33 | 1,286 | 171 | 357 | 81 |
| 800 | 62.50 | 25.00 | 14.50 | -2.00 | 1,600 | 32 | 400 | 82 |
| 950 | 34.53 | 45.45 | 11.36 | 8.64 | 917 | 79 | 417 | 83 |

a Neither profit nor loss.

CHEMICAL PREPARATIONS.

| | | | | | | | | |
|----------|-------|-------|-------|-------|---------|-------|-------|----|
| \$18,235 | 5.00 | 21.67 | 12.55 | 60.78 | \$1,964 | \$829 | \$295 | 1 |
| 11,500 | 73.55 | 16.00 | 13.69 | -3.54 | 2,708 | 96 | 433 | 2 |
| 12,000 | 76.09 | 6.09 | 12.61 | 3.22 | 9,200 | 480 | 500 | 3 |
| 12,200 | 50.00 | 16.67 | 13.00 | 20.33 | 2,000 | 407 | 333 | 4 |
| 16,650 | 80.36 | 5.60 | 11.07 | 2.97 | 7,467 | 222 | 418 | 5 |
| 12,900 | 72.00 | 12.00 | 10.84 | 5.16 | 2,778 | 143 | 353 | 6 |
| 7,900 | 62.50 | 13.13 | 14.50 | 9.88 | 4,000 | 395 | 525 | 7 |
| 46,600 | 68.31 | 9.33 | 12.00 | 10.36 | 2,045 | 212 | 191 | 8 |
| 5,351 | 60.74 | 20.79 | 10.70 | 7.77 | 2,152 | 167 | 448 | 9 |
| 7,000 | 80.00 | 10.29 | 11.71 | -2.00 | 5,833 | 117 | 600 | 10 |
| 96,640 | 67.35 | 5.95 | 11.85 | 14.86 | 7,227 | 174 | 430 | 11 |

STATISTICS OF LABOR.

CIGARS.

| Number of establishments. | Average number of employees. | Capital invested. | Wages paid during the year. | Stock used. | Value of product. | Gross profit or loss. | Percentage of gross profit of value of product. | Estimated interest and expenses. |
|---------------------------|------------------------------|-------------------|-----------------------------|-------------|-------------------|-----------------------|---|----------------------------------|
| 1 | 20 | \$12,000 | \$9,500 | \$8,000 | \$38,000 | \$10,500 | 37.50 | \$3,520 |
| 2 | 16 | 10,000 | 6,000 | 10,000 | 20,000 | 4,000 | 20.00 | 2,600 |
| 3 | 13 | 500 | 5,460 | 4,200 | 20,250 | 10,590 | 52.30 | 2,055 |
| 4 | 12 | 2,000 | 5,530 | 6,500 | 13,100 | 1,070 | 8.17 | 1,430 |
| 5 | 34 | 15,000 | 11,383 | 16,000 | 40,000 | 12,617 | 31.54 | 4,900 |
| 6 | 10 | 3,500 | 5,000 | 6,000 | 15,000 | 4,000 | 26.67 | 1,710 |
| 7 | 9 | 3,000 | 5,616 | 4,800 | 15,000 | 4,584 | 30.56 | 1,680 |
| 8 | 110 | 35,000 | 50,000 | 115,000 | 175,000 | 10,000 | 5.71 | 19,600 |
| 9 | 38 | 12,000 | 17,000 | 18,000 | 57,000 | 22,000 | 38.60 | 6,429 |
| 10 | 46 | 15,000 | 17,500 | 30,000 | 60,000 | 12,500 | 20.83 | 6,900 |
| 11 | 16 | 2,500 | 8,500 | 5,000 | 20,000 | 6,500 | 32.50 | 2,150 |
| 12 | 75 | 10,000 | 25,000 | 35,000 | 70,000 | 10,000 | 14.29 | 7,600 |
| 13 | 30 | 40,000 | 19,864 | 46,200 | 75,904 | 9,240 | 12.27 | 9,930 |
| 14 | 30 | 9,000 | 18,720 | 30,000 | 53,440 | 4,720 | 8.83 | 5,884 |
| 15 | 50 | 5,000 | 25,272 | 28,728 | 64,800 | 10,800 | 16.67 | 6,780 |
| 16 | 10 | 3,000 | 5,200 | 9,100 | 18,200 | 3,900 | 21.43 | 2,000 |
| 17 | 11 | 18,000 | 5,000 | 25,000 | 32,800 | 2,800 | 8.54 | 4,360 |
| 18 | 14 | 4,000 | 6,800 | 12,790 | 25,500 | 5,910 | 23.18 | 2,790 |
| 19 | 150 | 25,000 | 45,000 | 30,000 | 150,000 | 75,000 | 50.00 | 16,500 |
| 20 | 12 | 12,000 | 6,000 | 10,000 | 20,000 | 4,000 | 20.00 | 2,720 |
| 21 | 30 | 7,000 | 7,000 | 25,000 | 40,000 | 8,000 | 20.00 | 4,420 |
| 22 | 65 | 30,000 | 25,000 | 50,000 | 120,000 | 45,000 | 37.50 | 13,800 |
| 23 | 50 | 20,000 | 20,000 | 18,000 | 60,000 | 22,000 | 36.67 | 7,200 |
| 24 | 25 | 5,000 | 10,400 | 25,000 | 50,000 | 14,600 | 29.20 | 5,300 |
| 25 | 32 | 10,000 | 13,000 | 22,000 | 40,000 | 5,000 | 12.50 | 4,600 |
| 26 | 20 | 5,000 | 12,014 | 17,163 | 35,800 | 6,623 | 18.50 | 3,880 |
| 27 | 12 | 1,200 | 5,200 | 9,400 | 15,600 | 1,000 | 6.41 | 1,632 |
| 28 | 16 | 6,000 | 5,500 | 11,350 | 19,600 | 2,750 | 14.03 | 2,320 |
| 29 | 16 | 3,000 | 6,920 | 12,760 | 21,500 | 1,820 | 8.47 | 2,330 |
| 30 | 25 | 17,000 | 11,500 | 12,000 | 45,000 | 21,500 | 47.78 | 5,520 |
| 31 | 18 | 12,366 | 8,325 | 12,366 | 21,939 | 1,248 | 5.69 | 2,936 |
| 32 | 14 | 10,000 | 5,500 | 7,200 | 18,000 | 5,300 | 29.44 | 2,400 |
| 33 | 50 | 25,000 | 16,000 | 40,000 | 70,000 | 14,000 | 20.00 | 8,500 |
| 34 | 24 | 6,000 | 9,360 | 10,000 | 25,000 | 5,640 | 22.56 | 2,860 |
| 35 | 80 | 4,000 | 21,000 | 35,000 | 60,000 | 4,000 | 6.67 | 6,240 |
| 36 | 22 | 18,000 | 13,000 | 29,880 | 50,000 | 7,120 | 14.24 | 6,080 |
| 37 | 10 | 10,000 | 5,000 | 15,000 | 22,000 | 2,000 | 9.09 | 2,800 |
| 38 | 21 | 3,000 | 9,984 | 5,220 | 17,400 | 2,196 | 12.62 | 1,920 |
| 39 | 16 | 3,000 | 6,000 | 8,000 | 20,000 | 6,000 | 30.00 | 2,180 |

CLOCKS AND WATCHES.

| 1 | 100 | \$50,000 | \$70,000 | \$16,000 | \$150,000 | \$64,000 | 42.67 | \$18,000 |
|---|-------|-----------|----------|----------|-----------|----------|-------|----------|
| 2 | 15 | 10,000 | 7,800 | 1,330 | 12,500 | 2,710 | 21.68 | 1,850 |
| 3 | 1,021 | 1,443,827 | 519,444 | 143,216 | 898,711 | 236,051 | 26.27 | 176,501 |
| 4 | 402 | 275,000 | 147,014 | 50,000 | 220,712 | 23,698 | 10.74 | 38,571 |
| 5 | 121 | 240,000 | 64,656 | 28,711 | 106,698 | 13,331 | 12.49 | 25,070 |

CLOTHING.

| 1 | 13 | \$1,000 | \$7,500 | \$10,000 | \$20,000 | \$2,500 | 12.50 | \$2,240 |
|---|-------|-----------|---------|-----------|-----------|---------|-------|---------|
| 2 | 9 | 5,000 | 6,500 | 4,500 | 16,000 | 5,000 | 31.25 | 1,900 |
| 3 | 1,250 | 1,000,000 | 375,000 | 1,501,000 | 2,000,000 | 125,000 | 6.25 | 260,000 |
| 4 | 750 | 1,000,000 | 300,000 | 1,500,000 | 2,000,000 | 200,000 | 10.00 | 260,000 |
| 5 | 975 | 600,000 | 301,000 | 1,000,000 | 1,500,000 | 200,000 | 13.33 | 186,000 |

CIGARS.

| Net profit or loss | Percentage of stock used of value of product | Percentage of wages paid of value of product | Percentage of interest and expenses of value of product | Percentage of net profit or loss of value of product | Average yearly product per employe | Average yearly net profit or loss per employe | Average yearly earnings of each employe | Number of establishments |
|--------------------------|--|--|---|--|--|---|---|--------------------------------|
| \$5,980 | 28.57 | 33.93 | 12.57 | 24.93 | \$1,400 | \$349 | \$475 | 1 |
| 1,400 | 50.00 | 30.00 | 13.00 | 7.00 | 1,250 | 88 | 375 | 2 |
| 8,535 | 20.74 | 26.96 | 10.15 | 42.15 | 1,558 | 657 | 420 | 3 |
| -360 | 49.62 | 42.21 | 10.92 | -2.75 | 1,092 | -30 | 461 | 4 |
| 7,717 | 40.00 | 28.46 | 12.25 | 19.23 | 1,176 | 227 | 835 | 5 |
| 2,290 | 40.00 | 33.33 | 11.40 | 15.27 | 1,500 | 229 | 500 | 6 |
| 1,904 | 32.00 | 37.44 | 11.20 | 19.36 | 1,667 | 323 | 624 | 7 |
| -9,600 | 65.71 | 28.57 | 11.20 | -5.49 | 1,531 | -87 | 455 | 8 |
| 15,580 | 31.58 | 29.82 | 11.26 | 27.33 | 1,500 | 410 | 447 | 9 |
| 5,600 | 50.00 | 29.17 | 11.50 | 9.33 | 1,304 | 122 | 380 | 10 |
| 4,350 | 25.00 | 42.50 | 10.75 | 21.75 | 1,250 | 272 | 531 | 11 |
| 2,400 | 50.00 | 35.71 | 10.86 | 3.43 | 933 | 32 | 333 | 12 |
| -690 | 61.35 | 26.38 | 13.19 | -.92 | 2,510 | -23 | 662 | 13 |
| -1,164 | 56.14 | 35.03 | 11.01 | -2.18 | 1,781 | -39 | 624 | 14 |
| 4,020 | 44.33 | 39.00 | 10.46 | 6.20 | 1,296 | 80 | 505 | 15 |
| 1,900 | 50.00 | 28.57 | 10.99 | 10.44 | 1,820 | 190 | 520 | 16 |
| -1,560 | 76.22 | 15.24 | 13.29 | -4.76 | 2,982 | -142 | 455 | 17 |
| 3,120 | 50.16 | 26.67 | 10.94 | 12.24 | 1,821 | -223 | 486 | 18 |
| 58,500 | 20.00 | 30.00 | 11.00 | 39.00 | 1,000 | 390 | 300 | 19 |
| 1,280 | 50.00 | 30.00 | 13.60 | 6.40 | 1,667 | 107 | 500 | 20 |
| 3,580 | 62.50 | 17.50 | 11.05 | 8.95 | 1,333 | 119 | 233 | 21 |
| 31,200 | 41.67 | 20.83 | 11.50 | 26.00 | 1,846 | 480 | 395 | 22 |
| 14,800 | 30.00 | 33.33 | 12.00 | 24.67 | 1,200 | 296 | 400 | 23 |
| 9,390 | 50.00 | 20.80 | 10.60 | 18.00 | 2,000 | 372 | 416 | 24 |
| 400 | 55.00 | 32.50 | 11.50 | 1.00 | 1,250 | 13 | 406 | 25 |
| 1,743 | 47.94 | 33.56 | 10.84 | 7.66 | 1,790 | 137 | 601 | 26 |
| -632 | 60.26 | 33.33 | 10.46 | -4.05 | 1,300 | -53 | 433 | 27 |
| 430 | 57.91 | 28.06 | 11.84 | 2.19 | 1,225 | 27 | 344 | 28 |
| -510 | 59.35 | 32.19 | 10.84 | -2.37 | 1,344 | -82 | 433 | 29 |
| 15,980 | 26.67 | 25.56 | 12.27 | 35.51 | 1,800 | 639 | 460 | 30 |
| -1,688 | 56.37 | 37.95 | 13.38 | -7.69 | 1,219 | -94 | 463 | 31 |
| 2,900 | 40.00 | 30.56 | 13.33 | 16.11 | 1,286 | 207 | 393 | 32 |
| 5,500 | 57.14 | 22.86 | 12.14 | 7.86 | 1,400 | 110 | 320 | 33 |
| 2,780 | 40.00 | 37.44 | 11.44 | 11.12 | 1,042 | 116 | 390 | 34 |
| -2,240 | 58.33 | 35.00 | 10.40 | -3.73 | 750 | -28 | 263 | 35 |
| 1,040 | 59.76 | 26.00 | 12.16 | 2.08 | 2,273 | 47 | 591 | 36 |
| -800 | 68.18 | 22.73 | 12.73 | -3.64 | 2,200 | 80 | 500 | 37 |
| 276 | 30.00 | 57.38 | 11.03 | 1.59 | 829 | 13 | 475 | 38 |
| 3,820 | 40.00 | 30.00 | 10.90 | 19.10 | 1,250 | 239 | 375 | 39 |

CLOCKS AND WATCHES.

| | | | | | | | | |
|----------|-------|-------|-------|--------|---------|-------|-------|---|
| \$46,000 | 10.67 | 46.67 | 12.00 | 30.67 | \$1,500 | \$460 | \$700 | 1 |
| 860 | 15.44 | 62.88 | 14.80 | 6.88 | 833 | 57 | 524 | 2 |
| 59,550 | 15.94 | 57.80 | 19.64 | 6.63 | 880 | 58 | 509 | 3 |
| -14,873 | 22.65 | 66.61 | 17.48 | -6.74 | 549 | -37 | 366 | 4 |
| -11,739 | 26.91 | 60.60 | 23.50 | -11.00 | 882 | -97 | 534 | 5 |

CLOTHING.

| | | | | | | | | |
|----------|-------|-------|-------|-------|---------|------|-------|---|
| \$260 | 50.00 | 37.50 | 11.20 | 1.30 | \$1,538 | \$20 | \$577 | 1 |
| 3,100 | 28.13 | 40.63 | 11.88 | 19.38 | 1,778 | 344 | 722 | 2 |
| -135,000 | 75.00 | 18.75 | 13.00 | -6.75 | 1,600 | -108 | 300 | 3 |
| -60,000 | 75.00 | 15.00 | 13.00 | -3.00 | 2,667 | -80 | 400 | 4 |
| 14,000 | 66.67 | 20.00 | 12.40 | .93 | 1,538 | 14 | 308 | 5 |

Clothing—Continued.

| Number of es- tablishment.. | Average num- ber of em- ployes..... | Capital invest- ed | Wages paid during the year..... | Stock used..... | Value of pro- duct..... | Gross profit or loss..... | Percentage of gross profit of value of pro- duct..... | Estimated in- terest and ex- penses..... |
|--------------------------------|---|-----------------------------|---------------------------------------|-----------------|----------------------------|------------------------------|--|--|
| 6 | 1,000 | \$500,000 | \$325,338 | \$1,064,000 | \$1,477,000 | \$87,662 | 5.94 | \$177,700 |
| 7 | 35 | 300,000 | 200,000 | 825,000 | 1,200,000 | 175,000 | 14.58 | 138,000 |
| 8 | 400 | 275,000 | 130,000 | 550,000 | 700,000 | 20,000 | 2.86 | 86,500 |
| 9 | 600 | 250,000 | 200,000 | 600,000 | 900,000 | 100,000 | 11.11 | 105,000 |
| 10 | 175 | 250,000 | 100,000 | 75,000 | 200,000 | 25,000 | 12.50 | 35,000 |
| 11 | 100 | 200,000 | 24,000 | 150,000 | 300,000 | 125,000 | 42.00 | 42,000 |
| 12 | 30 | 200,000 | 100,000 | 350,000 | 600,000 | 150,000 | 25.00 | 72,000 |
| 13 | 100 | 200,000 | 85,000 | 275,000 | 425,000 | 65,000 | 15.29 | 54,500 |
| 14 | 240 | 150,000 | 150,000 | 225,000 | 475,000 | 100,000 | 21.05 | 56,500 |
| 15 | 75 | 150,000 | 20,000 | 100,000 | 145,000 | 25,000 | 17.24 | 35,500 |
| 16 | 50 | 150,000 | 45,000 | 350,000 | 450,000 | 55,000 | 12.22 | 54,000 |
| 17 | 400 | 150,000 | 150,000 | 600,000 | 800,000 | 50,000 | 6.25 | 89,000 |
| 18 | 150 | 100,000 | 50,000 | 200,000 | 300,000 | 50,000 | 16.67 | 36,000 |
| 19 | 70 | 78,000 | 73,440 | 242,000 | 338,000 | 22,500 | 6.67 | 38,480 |
| 20 | 160 | 75,000 | 50,000 | 100,000 | 200,000 | 50,000 | 25.00 | 24,500 |
| 21 | 150 | 75,000 | 45,000 | 225,000 | 300,000 | 30,000 | 10.00 | 34,500 |
| 22 | 122 | 54,000 | 40,000 | 135,000 | 225,000 | 50,000 | 22.22 | 25,500 |
| 23 | 75 | 50,000 | 25,000 | 150,000 | 200,000 | 25,000 | 12.50 | 23,000 |
| 24 | 50 | 45,000 | 20,551 | 35,000 | 75,000 | 16,449 | 21.93 | 10,200 |
| 25 | 84 | 30,000 | 24,000 | 70,000 | 105,000 | 11,000 | 10.48 | 12,300 |
| 26 | 140 | 30,000 | 15,000 | 150,000 | 225,000 | 60,000 | 26.67 | 24,300 |
| 27 | 10 | 30,000 | 5,000 | 20,000 | 30,000 | 5,000 | 16.67 | 4,800 |
| 28 | 30 | 12,000 | 6,000 | 14,000 | 25,000 | 5,000 | 20.00 | 3,220 |
| 29 | 20 | 10,000 | 10,000 | 14,000 | 30,000 | 6,000 | 20.00 | 3,600 |
| 30 | 36 | 3,000 | 9,600 | 11,000 | 25,000 | 4,400 | 17.60 | 2,650 |
| 31 | 100 | 40,000 | 30,000 | 100,000 | 150,000 | 20,000 | 13.33 | 17,400 |
| 32 | 90 | 10,000 | 64,000 | 180,000 | 300,000 | 55,000 | 18.67 | 30,500 |
| 33 | 40 | 15,000 | 17,825 | 47,175 | 80,000 | 15,000 | 18.75 | 8,900 |
| 34 | 30 | 20,000 | 16,000 | 35,000 | 60,000 | 9,000 | 15.00 | 7,200 |
| 35 | 25 | 10,000 | 13,500 | 30,000 | 50,000 | 6,500 | 13.00 | 5,600 |
| 36 | 12 | 6,000 | 6,657 | 10,652 | 19,973 | 2,664 | 13.34 | 2,357 |
| 37 | 58 | 25,000 | 45,000 | 49,000 | 125,000 | 31,000 | 24.80 | 14,000 |
| 38 | 11 | 14,000 | 6,500 | 20,000 | 30,000 | 3,500 | 11.67 | 3,840 |
| 39 | 33 | 15,000 | 20,000 | 25,000 | 55,000 | 10,000 | 18.19 | 6,400 |
| 40 | 15 | 2,000 | 7,000 | 10,000 | 20,000 | 3,000 | 15.00 | 2,120 |
| 41 | 13 | 22,500 | 7,150 | 15,000 | 26,350 | 4,200 | 15.94 | 3,955 |
| 42 | 15 | 5,000 | 6,500 | 16,000 | 24,000 | 5,500 | 19.64 | 3,100 |
| 43 | 15 | 5,000 | 12,500 | 10,000 | 28,000 | 5,500 | 19.64 | 3,100 |
| 44 | 20 | 10,000 | 9,000 | 12,000 | 28,000 | 7,000 | 25.00 | 3,400 |
| 45 | 15 | 4,000 | 5,678 | 21,500 | 33,500 | 6,322 | 18.87 | 3,590 |
| 46 | 20 | 5,000 | 8,000 | 12,000 | 28,000 | 8,000 | 28.57 | 3,100 |
| 47 | 7 | 1,500 | 5,000 | 7,000 | 14,000 | 2,000 | 14.29 | 1,490 |
| 48 | 20 | 10,000 | 15,000 | 25,000 | 50,000 | 12,000 | 24.00 | 5,600 |
| 49 | 34 | 15,000 | 22,312 | 40,000 | 70,000 | 7,688 | 10.98 | 7,900 |
| 50 | 25 | 30,000 | 15,000 | 25,000 | 60,000 | 20,000 | 33.33 | 7,800 |
| 51 | 80 | 50,000 | 70,000 | 105,000 | 200,000 | 25,000 | 12.50 | 23,000 |
| 52 | 35 | 20,000 | 25,000 | 30,000 | 70,000 | 15,000 | 21.43 | 8,200 |
| 53 | 20 | 8,000 | 13,000 | 15,000 | 45,000 | 17,000 | 37.78 | 4,980 |
| 54 | 15 | 1,500 | 9,360 | 9,500 | 25,000 | 6,140 | 24.56 | 2,590 |
| 55 | 20 | 5,000 | 10,000 | 21,000 | 35,000 | 4,000 | 11.43 | 3,800 |
| 56 | 58 | 15,000 | 44,698 | 61,072 | 129,796 | 24,025 | 18.50 | 19,880 |
| 57 | 250 | 200,000 | 75,000 | 300,000 | 450,000 | 75,000 | 16.67 | 57,000 |
| 58 | 200 | 100,000 | 50,000 | 17,000 | 250,000 | 30,000 | 12.00 | 31,000 |
| 59 | 300 | 75,000 | 93,900 | 175,000 | 300,000 | 31,100 | 10.37 | 34,500 |
| 60 | 250 | 75,000 | 70,000 | 130,000 | 250,000 | 50,000 | 20.00 | 29,500 |
| 61 | 84 | 45,000 | 27,850 | 78,000 | 182,312 | 28,462 | 20.00 | 15,931 |
| 62 | 60 | 30,000 | 12,000 | 60,000 | 100,000 | 26,000 | 26.00 | 11,800 |
| 63 | 40 | 20,000 | 12,000 | 25,000 | 50,000 | 13,000 | 26.00 | 6,200 |
| 64 | 40 | 11,000 | 20,000 | 30,000 | 75,000 | 25,000 | 33.33 | 8,160 |
| 65 | 40 | 10,000 | 10,000 | 30,000 | 50,000 | 10,000 | 20.00 | 5,000 |
| 66 | 17 | 8,000 | 5,500 | 15,000 | 23,000 | 2,500 | 10.87 | 2,780 |
| 67 | 25 | 8,000 | 9,336 | 40,000 | 62,250 | 12,920 | 20.76 | 6,785 |
| 68 | 30 | 6,000 | 13,000 | 16,000 | 35,000 | 6,000 | 17.14 | 3,560 |
| 69 | 31 | 3,000 | 5,200 | 15,000 | 25,000 | 4,800 | 19.20 | 2,680 |
| 70 | 30 | 2,000 | 9,875 | 5,000 | 22,000 | 7,125 | 32.39 | 2,320 |

Clothing—Continued.

| Net profit or loss..... | Percentage of stock used of value of product | Percentage of wages paid of product | Percentage of interest and expenses of value of product | Percentage of net profit or loss of value of product.... | Average yearly product per employe..... | Average yearly net profit or loss per employe..... | Average yearly earnings of each employe | Number of establishments... |
|-------------------------|--|---|---|--|---|--|---|-----------------------------|
| -\$90,033 | 72.04 | 22.03 | 12.03 | -6.10 | \$1,477 | -\$90 | \$325 | 6 |
| 37,000 | 68.75 | 16.67 | 11.50 | 3.08 | 34,286 | 1,057 | 5,714 | 7 |
| -66,500 | 78.57 | 18.57 | 12.36 | -9.50 | 1,750 | -166 | 325 | 8 |
| -5,000 | 66.67 | 22.22 | 11.67 | -5.6 | 1,500 | -8 | 333 | 9 |
| -10,000 | 37.50 | 50.00 | 17.50 | -5.00 | 1,143 | -57 | 571 | 10 |
| 84,000 | 50.00 | 8.00 | 14.00 | 28.00 | 3,000 | 840 | 240 | 11 |
| 78,000 | 58.33 | 16.67 | 12.00 | 13.00 | 20,000 | 2,600 | 3,333 | 12 |
| 10,500 | 64.71 | 20.00 | 12.82 | 2.47 | 4,259 | 105 | 850 | 13 |
| 43,500 | 47.37 | 31.58 | 11.89 | 9.16 | 1,979 | 181 | 625 | 14 |
| 1,500 | 68.97 | 13.79 | 16.21 | 1.03 | 1,933 | 20 | 267 | 15 |
| 1,000 | 77.78 | 10.00 | 12.00 | .22 | 9,000 | 20 | 900 | 16 |
| -30,000 | 75.00 | 18.75 | 11.13 | 4.88 | 2,000 | -98 | 375 | 17 |
| 14,000 | 66.67 | 16.67 | 12.00 | 4.67 | 2,000 | 93 | 333 | 18 |
| -15,920 | 71.60 | 21.73 | 11.38 | -4.71 | 4,829 | -227 | 1,049 | 19 |
| 25,500 | 50.00 | 25.00 | 12.25 | 12.75 | 1,250 | 159 | 313 | 20 |
| -4,500 | 75.00 | 15.00 | 11.50 | -1.50 | 2,000 | -30 | 300 | 21 |
| 24,500 | 60.00 | 17.78 | 11.33 | 10.89 | 1,844 | 201 | 328 | 22 |
| 2,000 | 75.00 | 12.50 | 11.50 | 1.00 | 2,667 | 27 | 333 | 23 |
| 6,249 | 50.67 | 27.40 | 13.60 | 8.33 | 1,500 | 125 | 411 | 24 |
| -1,300 | 66.67 | 22.86 | 11.71 | -1.24 | 1,250 | -15 | 286 | 25 |
| 35,700 | 66.67 | 6.67 | 10.80 | 15.87 | 1,607 | 255 | 107 | 26 |
| 2,200 | 66.67 | 16.67 | 16.00 | .67 | 3,000 | 20 | 500 | 27 |
| 1,780 | 56.00 | 24.00 | 12.88 | 7.12 | 833 | 59 | 200 | 28 |
| 2,400 | 46.67 | 31.33 | 12.00 | 8.00 | 1,500 | 120 | 500 | 29 |
| 1,720 | 44.00 | 38.40 | 10.72 | 6.88 | 694 | 48 | 267 | 30 |
| 2,600 | 66.67 | 20.00 | 11.60 | 1.73 | 1,500 | 26 | 300 | 31 |
| 25,400 | 60.00 | 21.33 | 10.20 | 8.47 | 3,333 | 282 | 711 | 32 |
| 6,100 | 58.97 | 22.28 | 11.13 | 7.63 | 2,000 | 153 | 446 | 33 |
| 1,800 | 58.33 | 26.67 | 12.00 | 3.00 | 2,000 | 60 | 533 | 34 |
| 500 | 60.00 | 27.00 | 11.20 | 1.80 | 2,000 | 36 | 540 | 35 |
| 307 | 53.33 | 33.33 | 11.80 | 1.54 | 1,664 | 26 | 555 | 36 |
| 17,000 | 39.20 | 36.00 | 11.20 | 13.60 | 2,155 | 293 | 776 | 37 |
| -340 | 66.67 | 21.67 | 12.80 | -1.13 | 2,727 | -31 | 591 | 38 |
| 3,600 | 45.45 | 36.36 | 11.64 | 6.55 | 1,667 | 109 | 606 | 39 |
| 880 | 50.00 | 35.00 | 10.60 | 4.40 | 1,333 | 59 | 467 | 40 |
| 215 | 56.93 | 27.13 | 15.12 | .82 | 2,027 | 17 | 550 | 41 |
| 2,400 | 57.14 | 23.21 | 11.07 | 8.57 | 1,867 | 160 | 433 | 42 |
| 2,400 | 35.71 | 44.64 | 11.07 | 8.57 | 1,867 | 160 | 833 | 43 |
| 3,600 | 42.86 | 32.14 | 12.14 | 12.86 | 1,400 | 180 | 450 | 44 |
| 2,732 | 64.18 | 16.95 | 10.72 | 8.16 | 2,233 | 182 | 379 | 45 |
| 4,900 | 42.86 | 28.57 | 11.07 | 17.50 | 1,400 | 245 | 400 | 46 |
| 510 | 50.00 | 35.71 | 10.64 | 3.64 | 2,000 | 73 | 714 | 47 |
| 6,400 | 46.00 | 31.00 | 11.20 | 12.80 | 2,500 | 320 | 750 | 48 |
| -212 | 57.14 | 31.87 | 11.29 | -30 | 2,059 | -6 | 656 | 49 |
| 12,200 | 41.67 | 25.00 | 13.00 | 20.33 | 2,400 | 488 | 600 | 50 |
| 2,000 | 52.50 | 35.00 | 11.50 | 1.00 | 2,500 | 25 | 875 | 51 |
| 6,800 | 42.86 | 35.71 | 11.71 | 9.71 | 2,000 | 194 | 714 | 52 |
| 12,020 | 33.33 | 28.89 | 11.07 | 26.71 | 2,250 | 601 | 650 | 53 |
| 3,550 | 38.00 | 37.14 | 10.36 | 14.20 | 1,667 | 237 | 624 | 54 |
| 200 | 60.00 | 28.57 | 10.86 | .57 | 1,750 | 10 | 500 | 55 |
| 10,145 | 47.05 | 34.44 | 10.69 | 7.82 | 2,238 | 175 | 771 | 56 |
| 18,000 | 66.67 | 16.67 | 12.67 | 4.00 | 1,800 | 72 | 300 | 57 |
| -1,000 | 68.00 | 20.00 | 12.40 | -40 | 1,250 | -5 | 250 | 58 |
| -3,400 | 58.33 | 31.30 | 11.50 | -1.13 | 1,000 | -11 | 313 | 59 |
| 20,500 | 52.00 | 28.00 | 11.80 | 8.20 | 1,000 | 82 | 280 | 60 |
| 10,531 | 58.95 | 21.05 | 12.04 | 7.96 | 1,575 | 125 | 392 | 61 |
| 16,200 | 60.00 | 12.00 | 11.80 | 16.20 | 1,667 | 270 | 200 | 62 |
| 6,800 | 50.00 | 24.00 | 12.40 | 13.60 | 1,250 | 170 | 300 | 63 |
| 16,840 | 40.00 | 26.67 | 10.88 | 22.45 | 1,596 | 358 | 426 | 64 |
| 4,400 | 60.00 | 20.00 | 11.20 | 8.80 | 1,250 | 110 | 250 | 65 |
| -280 | 65.22 | 23.91 | 12.09 | -1.22 | 1,353 | -16 | 324 | 66 |
| 6,215 | 64.26 | 14.99 | 10.77 | 9.98 | 2,490 | 249 | 373 | 67 |
| 2,140 | 45.71 | 37.14 | 11.03 | 6.11 | 1,167 | 71 | 433 | 68 |
| 2,120 | 60.00 | 20.80 | 10.72 | 8.48 | 806 | 68 | 168 | 69 |
| 4,905 | 22.73 | 44.89 | 10.50 | 21.84 | 733 | 160 | 329 | 70 |

Clothing—Continued.

| Number of establishment. | Average number of employees. | Capital invested. | Wages paid during the year. | Stock used. | Value of product. | Gross profit or loss. | Percentage of gross profit of value of product. | Estimated interest and expenses. |
|--------------------------|------------------------------|-------------------|-----------------------------|-------------|-------------------|-----------------------|---|----------------------------------|
| 71 | 22 | \$2,500 | \$7,850 | \$9,100 | \$19,500 | \$2,550 | 13.08 | \$2,100 |
| 72 | 73 | 20,000 | 30,000 | 104,000 | 147,400 | 13,400 | 9.09 | 15,940 |
| 73 | 36 | 20,000 | 12,000 | 90,000 | 120,000 | 18,000 | 15.00 | 13,200 |
| 74 | 11 | 1,000 | 5,000 | 4,000 | 10,000 | 1,000 | 10.00 | 1,060 |
| 75 | 20 | 5,000 | 7,900 | 15,000 | 30,000 | 7,100 | 23.67 | 3,300 |
| 76 | 260 | 75,000 | 35,000 | 150,000 | 200,000 | 15,000 | 7.50 | 24,500 |
| 77 | 100 | 1,000 | 5,000 | 7,000 | 16,000 | 4,000 | 25.00 | 1,660 |
| 78 | 70 | 5,000 | 16,000 | 30,000 | 55,000 | 9,000 | 16.36 | 5,800 |
| 79 | 17 | 1,000 | 5,000 | 4,500 | 15,000 | 5,500 | 36.67 | 1,560 |
| 80 | 250 | 25,000 | 35,000 | 125,000 | 195,000 | 35,000 | 17.95 | 21,000 |
| 81 | 107 | 20,000 | 28,000 | 73,000 | 115,000 | 14,000 | 12.17 | 12,700 |
| 82 | 110 | 10,000 | 16,865 | 38,520 | 68,750 | 13,365 | 19.44 | 7,475 |
| 83 | 58 | 15,000 | 20,150 | 79,500 | 110,000 | 10,350 | 9.41 | 11,900 |
| 84 | 128 | 75,000 | 40,000 | 200,000 | 200,000 | 60,000 | 20.00 | 34,500 |
| 85 | 137 | 15,000 | 18,000 | 55,000 | 80,000 | 7,000 | 8.75 | 8,900 |
| 86 | 72 | 25,000 | 40,000 | 80,000 | 150,000 | 30,000 | 20.00 | 16,500 |
| 87 | 119 | 30,000 | 30,000 | 93,500 | 130,000 | 6,500 | 5.00 | 14,800 |
| 88 | 250 | 12,000 | 62,350 | 108,000 | 178,500 | 8,150 | 4.57 | 18,570 |
| 89 | 21 | 2,500 | 5,000 | 12,000 | 19,000 | 2,000 | 10.53 | 2,050 |
| 90 | 38 | 5,000 | 9,000 | 23,000 | 49,000 | 17,000 | 34.69 | 5,200 |
| 91 | 45 | 33,000 | 20,000 | 25,000 | 55,000 | 10,000 | 18.18 | 7,480 |
| 92 | 39 | 12,000 | 10,000 | 20,000 | 31,000 | 1,000 | 3.23 | 3,820 |
| 93 | 110 | 15,000 | 37,450 | 100,000 | 175,000 | 37,550 | 21.46 | 18,400 |
| 94 | 32 | 40,000 | 11,700 | 34,000 | 60,000 | 14,300 | 23.83 | 8,400 |
| 95 | 33 | 4,000 | 7,225 | 28,515 | 38,000 | 2,260 | 5.95 | 4,040 |
| 96 | 23 | 15,000 | 11,000 | 30,000 | 45,000 | 4,000 | 8.80 | 5,400 |
| 97 | 20 | 18,000 | 7,500 | 22,000 | 36,000 | 6,500 | 18.06 | 4,680 |
| 98 | 94 | 15,000 | 17,500 | 55,000 | 80,000 | 7,500 | 9.38 | 8,900 |
| 99 | 14 | 8,675 | 5,314 | 8,675 | 15,816 | 1,827 | 11.55 | 2,103 |
| 100 | 24 | 24,000 | 7,300 | 20,000 | 31,450 | 4,150 | 13.20 | 4,585 |
| 101 | 10 | 10,000 | 6,000 | 1,000 | 15,000 | 8,000 | 53.33 | 2,100 |
| 102 | 50 | 15,000 | 20,167 | 15,000 | 61,300 | 26,133 | 42.63 | 7,030 |
| 103 | 38 | 10,000 | 8,030 | 30,000 | 60,000 | 21,970 | 36.62 | 6,600 |
| 104 | 34 | 50,000 | 12,610 | 65,000 | 84,110 | 6,500 | 7.73 | 11,411 |
| 105 | 14 | 4,000 | 5,000 | 3,500 | 10,000 | 1,500 | 15.00 | 1,240 |
| 106 | 15 | 15,000 | 6,000 | 12,000 | 20,000 | 2,000 | 10.00 | 2,900 |
| 107 | 20 | 10,000 | 5,500 | 10,000 | 22,000 | 6,500 | 29.55 | 2,800 |
| 108 | 16 | 10,000 | 5,500 | 8,140 | 18,000 | 4,360 | 24.22 | 2,400 |
| 109 | 15 | 200 | 6,633 | 10,000 | 21,000 | 4,367 | 20.80 | 2,112 |
| 110 | 100 | 100,000 | 20,000 | 300,000 | 400,000 | 80,000 | 20.00 | 46,000 |
| 111 | 35 | 12,500 | 6,890 | 35,170 | 45,000 | 3,000 | 6.67 | 5,250 |
| 112 | 14 | 1,500 | 6,500 | 13,000 | 22,000 | 2,500 | 11.36 | 2,290 |
| 113 | 100 | 15,000 | 6,000 | 65,000 | 75,000 | 4,000 | 5.33 | 8,400 |
| 114 | 132 | 75,000 | 30,000 | 95,000 | 145,000 | 20,000 | 13.79 | 19,000 |
| 115 | 30 | 17,000 | 21,400 | 30,000 | 60,000 | 8,600 | 14.33 | 7,020 |
| 116 | 10 | 10,000 | 6,200 | 18,000 | 31,000 | 6,800 | 21.94 | 3,700 |
| 117 | 18 | 30,000 | 6,600 | 45,000 | 55,000 | 3,400 | 6.18 | 7,300 |
| 118 | 10 | 20,000 | 6,000 | 20,000 | 40,000 | 14,000 | 35.00 | 5,200 |
| 119 | 26 | 20,000 | 7,800 | 40,000 | 60,000 | 12,200 | 20.33 | 7,200 |
| 120 | 20 | 15,000 | 12,000 | 35,000 | 60,000 | 13,000 | 21.67 | 6,900 |

COOKING AND HEATING APPARATUS.

| | | | | | | | | |
|----|-----|-----------|----------|----------|-----------|-----------|-------|----------|
| 1 | 85 | \$400,000 | \$43,000 | \$45,000 | \$400,000 | \$312,000 | 78.00 | \$64,000 |
| 2 | 115 | 200,000 | 63,000 | 62,000 | 175,000 | 50,000 | 28.57 | 29,500 |
| 3 | 48 | 50,000 | 22,500 | 48,167 | 89,319 | 18,652 | 20.88 | 11,932 |
| 4 | 35 | 55,400 | 24,282 | 63,254 | 90,310 | 3,374 | 3.71 | 12,415 |
| 5 | 130 | 140,000 | 75,000 | 80,000 | 200,000 | 45,000 | 22.50 | 28,400 |
| 6 | 125 | 250,000 | 60,000 | 52,900 | 150,000 | 37,100 | 24.73 | 30,000 |
| 7 | 30 | 10,000 | 22,000 | 19,000 | 50,000 | 9,000 | 18.00 | 5,600 |
| 8 | 10 | 5,000 | 6,300 | 12,000 | 30,000 | 11,700 | 39.00 | 3,300 |
| 9 | 90 | 45,000 | 38,000 | 80,000 | 140,000 | 22,000 | 15.71 | 16,700 |
| 10 | 95 | 20,000 | 56,000 | 280,000 | 350,000 | 14,000 | 4.00 | 36,200 |

Clothing—Continued.

| Net profit or loss..... | Percentage of stock used of value of product..... | Percentage of wages paid of value of product..... | Percentage of interest and expenses of value of product..... | Percentage of net profit or loss of value of product..... | Average yearly product per employe..... | Average yearly net profit or loss per employe..... | Average yearly earnings of each employe | Number of establishments..... |
|-------------------------|---|---|--|---|---|--|---|-------------------------------|
| \$450 | 46.67 | 40.26 | 10.77 | 2.31 | \$886 | \$20 | \$357 | 71 |
| -2,540 | 70.56 | 20.35 | 10.81 | -1.72 | 2,019 | -35 | 411 | 72 |
| 4,800 | 75.00 | 10.00 | 11.00 | 4.00 | 3,333 | 133 | 333 | 73 |
| -60 | 40.00 | 50.00 | 10.60 | -1.60 | 909 | -5 | 455 | 74 |
| 3,800 | 50.00 | 26.33 | 11.00 | 12.67 | 1,500 | 190 | 395 | 75 |
| -9,500 | 75.00 | 17.50 | 12.25 | -4.75 | 769 | -37 | 135 | 76 |
| 2,340 | 43.75 | 31.25 | 10.38 | 14.63 | 160 | 23 | 50 | 77 |
| 3,200 | 54.55 | 29.09 | 10.55 | 5.82 | 786 | 46 | 229 | 78 |
| 3,940 | 30.00 | 33.33 | 10.40 | 26.27 | 882 | 232 | 294 | 79 |
| 14,000 | 64.10 | 17.95 | 10.77 | 7.18 | 780 | 56 | 140 | 80 |
| 1,300 | 63.48 | 21.35 | 11.04 | 1.13 | 1,075 | 12 | 262 | 81 |
| 5,800 | 56.03 | 24.53 | 10.87 | 8.57 | 625 | 54 | 153 | 82 |
| -1,550 | 72.27 | 18.32 | 10.82 | -1.41 | 1,897 | -27 | 347 | 83 |
| 25,500 | 66.67 | 13.33 | 11.50 | 8.50 | 2,344 | 199 | 319 | 84 |
| -1,900 | 68.75 | 22.50 | 11.13 | -2.38 | 584 | -14 | 131 | 85 |
| 13,500 | 53.33 | 26.67 | 11.00 | 9.00 | 2,083 | 188 | 556 | 86 |
| -8,300 | 71.92 | 23.08 | 11.38 | -6.38 | 1,092 | -70 | 252 | 87 |
| -10,420 | 60.50 | 34.93 | 10.40 | -5.84 | 714 | -42 | 249 | 88 |
| -50 | 63.16 | 26.32 | 10.79 | -1.26 | 905 | -2 | 238 | 89 |
| 11,800 | 46.94 | 18.37 | 10.61 | 24.08 | 1,289 | 311 | 237 | 90 |
| 2,520 | 45.45 | 36.36 | 13.60 | 4.58 | 1,222 | 56 | 445 | 91 |
| -2,820 | 64.52 | 32.26 | 12.32 | -9.10 | 795 | -72 | 256 | 92 |
| 19,150 | 57.14 | 21.40 | 10.51 | 10.94 | 1,691 | 174 | 340 | 93 |
| 5,900 | 56.67 | 19.50 | 14.00 | 9.83 | 1,875 | 184 | 366 | 94 |
| -1,780 | 75.04 | 19.01 | 10.63 | -4.68 | 1,152 | -54 | 219 | 95 |
| -1,400 | 66.67 | 24.44 | 12.00 | -3.11 | 1,957 | -61 | 478 | 96 |
| 1,820 | 61.11 | 20.83 | 13.00 | 5.06 | 1,900 | 91 | 375 | 97 |
| -1,400 | 63.75 | 21.88 | 11.13 | -1.75 | 851 | -15 | 186 | 98 |
| -276 | 54.85 | 33.60 | 13.30 | -1.75 | 1,130 | -20 | 380 | 99 |
| -435 | 63.59 | 23.21 | 14.58 | -1.38 | 1,310 | -18 | 304 | 100 |
| 5,900 | 6.67 | 40.00 | 14.00 | 39.33 | 1,500 | 590 | 600 | 101 |
| 19,103 | 24.47 | 32.90 | 11.47 | 31.16 | 1,226 | 382 | 403 | 102 |
| 15,370 | 50.00 | 13.38 | 11.00 | 25.62 | 1,579 | 404 | 211 | 103 |
| -4,911 | 77.28 | 14.99 | 13.57 | -5.84 | 2,474 | -144 | 371 | 104 |
| -260 | 35.00 | 50.00 | 12.40 | 2.60 | 714 | 19 | 357 | 105 |
| -900 | 60.00 | 30.00 | 14.50 | -4.50 | 1,333 | -60 | 400 | 106 |
| 3,700 | 45.45 | 25.00 | 12.73 | 16.82 | 1,100 | 185 | 275 | 107 |
| 1,960 | 45.22 | 30.56 | 13.33 | 10.89 | 1,125 | 123 | 344 | 108 |
| 2,255 | 47.62 | 31.59 | 10.06 | 10.74 | 1,400 | 150 | 442 | 109 |
| 34,000 | 75.00 | 5.00 | 11.50 | 8.50 | 4,000 | 340 | 200 | 110 |
| -2,250 | 78.16 | 15.18 | 11.67 | -5.00 | 1,286 | -64 | 195 | 111 |
| 210 | 59.09 | 29.55 | 10.41 | .95 | 1,571 | 15 | 464 | 112 |
| -4,400 | 86.67 | 8.00 | 11.20 | -5.87 | 750 | -44 | 60 | 113 |
| 1,000 | 65.52 | 20.69 | 13.10 | .69 | 1,098 | 8 | 227 | 114 |
| 1,580 | 50.00 | 35.67 | 11.70 | 2.63 | 2,000 | 53 | 713 | 115 |
| 3,100 | 58.06 | 20.00 | 11.93 | 10.00 | 3,100 | 310 | 620 | 116 |
| -3,900 | 81.82 | 12.00 | 13.27 | -7.09 | 3,056 | -217 | 367 | 117 |
| 8,800 | 50.00 | 15.00 | 13.00 | 22.00 | 4,000 | 880 | 600 | 118 |
| 5,000 | 66.67 | 13.00 | 12.00 | 8.33 | 2,308 | 192 | 300 | 119 |
| 6,100 | 58.33 | 20.00 | 11.50 | 10.17 | 3,000 | 305 | 600 | 120 |

COOKING AND HEATING APPARATUS.

| | | | | | | | | |
|-----------|-------|-------|-------|-------|---------|---------|-------|----|
| \$240,000 | 11.25 | 10.75 | 16.00 | 62.00 | \$4,706 | \$2,918 | \$506 | 1 |
| 20,500 | 35.43 | 36.00 | 16.86 | 11.71 | 1,522 | 178 | 548 | 2 |
| 6,720 | 53.93 | 25.19 | 13.36 | 7.52 | 1,861 | 140 | 448 | 3 |
| -9,041 | 69.58 | 26.71 | 13.66 | -9.95 | 2,597 | -258 | 694 | 4 |
| 16,600 | 40.00 | 37.50 | 14.20 | 8.30 | 1,538 | 128 | 577 | 5 |
| 7,100 | 35.27 | 40.00 | 20.00 | 4.73 | 1,200 | 571 | 480 | 6 |
| 3,400 | 38.00 | 44.80 | 11.20 | 6.80 | 1,667 | 113 | 733 | 7 |
| 8,400 | 40.00 | 21.00 | 11.00 | 28.00 | 3,000 | 840 | 630 | 8 |
| 5,300 | 57.14 | 27.14 | 11.93 | 3.79 | 1,566 | 59 | 422 | 9 |
| -22,200 | 80.00 | 16.00 | 10.34 | -6.34 | 3,684 | -234 | 589 | 10 |

Cooking and Heating Apparatus—Continued.

| Number of es- tablishment.. | Average num- ber of em- ployes..... | Capital invest- ed..... | Wages paid during the year..... | Stock used | Value of pro- duct..... | Gross profit or loss..... | Percentage of gross profit of value of pro- duct..... | Estimated in- terest and ex- penses..... |
|--------------------------------|---|----------------------------|---------------------------------------|-----------------|----------------------------|------------------------------|--|--|
| 11 | 14 | \$8,000 | \$9,000 | \$22,000 | \$35,000 | \$4,000 | 11.43 | \$3,980 |
| 12 | 60 | 30,000 | 19,000 | 35,750 | 68,230 | 13,480 | 19.76 | 8,623 |
| 13 | 24 | 20,000 | 14,000 | 55,000 | 80,000 | 11,000 | 13.75 | 9,300 |
| 14 | 12 | 10,000 | 5,000 | 10,000 | 20,000 | 5,000 | 25.00 | 2,600 |
| 15 | 30 | 20,000 | 9,500 | 30,000 | 50,000 | 10,500 | 21.00 | 6,200 |
| 16 | 16 | 12,000 | 8,000 | 7,000 | 20,000 | 5,000 | 25.00 | 2,720 |
| 17 | 30 | 40,000 | 10,000 | 14,000 | 50,000 | 26,000 | 52.00 | 7,400 |
| 18 | 83 | 75,000 | 40,000 | 40,000 | 100,000 | 20,000 | 20.00 | 14,500 |
| 19 | 41 | 50,000 | 22,950 | 10,042 | 45,421 | 12,429 | 27.38 | 7,542 |
| 20 | 46 | 50,000 | 45,000 | 25,000 | 80,000 | 10,000 | 12.50 | 11,000 |

CURED AND PACKED MEATS.

| | | | | | | | | |
|----|-------|-----------|---------|------------|------------|-----------|-------|-----------|
| 1 | 30 | \$50,000 | \$6,000 | \$258,000 | \$330,600 | \$66,600 | 20.15 | \$36,060 |
| 2 | 21 | 75,000 | 6,000 | 287,000 | 316,300 | 23,300 | 7.37 | 36,130 |
| 3 | 45 | 7,000 | 25,200 | 1,217,300 | 1,255,000 | 12,500 | 1.00 | 125,920 |
| 4 | 15 | 19,000 | 9,000 | 378,500 | 426,250 | 38,750 | 9.09 | 43,765 |
| 5 | 8 | 12,000 | 5,550 | 292,137 | 309,687 | 12,000 | 3.87 | 31,650 |
| 6 | 28 | 100,000 | 14,000 | 161,000 | 205,200 | 30,200 | 14.72 | 20,520 |
| 7 | 12 | 25,000 | 6,000 | 91,762 | 109,140 | 11,378 | 10.43 | 12,414 |
| 8 | 10 | 21,600 | 6,400 | 75,149 | 90,000 | 8,451 | 9.39 | 10,296 |
| 9 | 15 | 100,000 | 9,500 | 255,785 | 299,032 | 33,747 | 11.29 | 35,903 |
| 10 | 125 | 100,000 | 60,270 | 2,255,503 | 2,330,953 | 15,186 | .65 | 239,095 |
| 11 | 140 | 100,000 | 48,749 | 1,571,954 | 1,627,429 | 6,726 | .41 | 168,743 |
| 12 | 62 | 100,000 | 33,383 | 1,014,946 | 1,084,346 | 31,017 | 2.86 | 114,435 |
| 13 | 64 | 90,000 | 30,956 | 918,816 | 1,054,841 | 75,069 | 7.12 | 110,884 |
| 14 | 175 | 50,000 | 48,393 | 1,493,348 | 1,607,722 | 65,981 | 4.10 | 163,772 |
| 15 | 50 | 40,000 | 23,282 | 416,000 | 456,000 | 16,708 | 3.66 | 48,000 |
| 16 | 170 | 120,000 | 28,000 | 1,205,000 | 1,253,200 | 20,200 | 1.61 | 132,520 |
| 17 | 83 | 25,000 | 14,400 | 573,226 | 606,500 | 18,274 | 3.11 | 62,150 |
| 18 | 39 | 30,000 | 12,711 | 484,075 | 539,800 | 43,014 | 7.97 | 55,780 |
| 19 | 50 | 15,000 | 8,361 | 236,500 | 263,893 | 19,082 | 7.21 | 27,269 |
| 20 | 40 | 45,000 | 7,000 | 188,200 | 202,000 | 6,800 | 3.37 | 22,900 |
| 21 | 12 | 20,000 | 5,000 | 177,400 | 190,633 | 8,233 | 4.32 | 20,263 |
| 22 | 850 | 150,000 | 414,825 | 7,642,376 | 8,340,223 | 323,022 | 3.85 | 847,022 |
| 23 | 300 | 250,000 | 170,000 | 3,194,092 | 3,753,102 | 389,010 | 10.37 | 310,310 |
| 24 | 70 | 125,000 | 36,540 | 918,050 | 1,009,051 | 24,461 | 2.42 | 108,405 |
| 25 | 60 | 90,000 | 20,592 | 629,789 | 718,150 | 67,769 | 9.44 | 77,215 |
| 26 | 50 | 50,000 | 35,000 | 1,326,000 | 1,411,000 | 50,000 | 3.54 | 144,100 |
| 27 | 900 | 600,000 | 477,228 | 6,129,817 | 6,728,393 | 121,348 | 1.80 | 708,839 |
| 28 | 350 | 100,000 | 145,150 | 2,018,000 | 2,280,000 | 116,850 | 5.13 | 234,000 |
| 29 | 20 | 25,000 | 12,000 | 232,400 | 265,000 | 20,600 | 7.77 | 28,000 |
| 30 | 45 | 20,000 | 14,000 | 137,000 | 153,500 | 2,500 | 1.63 | 16,550 |
| 31 | 80 | 200,000 | 35,000 | 919,105 | 985,000 | 30,895 | 3.14 | 110,500 |
| 32 | 56 | 100,000 | 32,000 | 1,220,600 | 1,315,000 | 62,400 | 4.75 | 137,500 |
| 33 | 70 | 66,000 | 36,400 | 3,147,509 | 3,330,317 | 146,408 | 4.40 | 336,992 |
| 34 | 20 | 20,000 | 7,220 | 1,866,597 | 1,892,555 | 18,738 | .99 | 190,456 |
| 35 | 12 | 20,000 | 7,200 | 125,300 | 147,310 | 14,810 | 10.05 | 15,931 |
| 36 | 8 | 12,000 | 5,000 | 63,000 | 72,000 | 4,000 | 5.56 | 7,920 |
| 37 | 40 | 25,000 | 18,000 | 623,300 | 675,000 | 33,700 | 4.99 | 69,000 |
| 38 | 25 | 150,000 | 16,000 | 362,000 | 418,000 | 40,000 | 9.57 | 50,800 |
| 39 | 20 | 75,000 | 14,500 | 192,320 | 210,000 | 3,180 | 1.51 | 25,540 |
| 40 | 1,525 | 2,500,000 | 758,700 | 12,946,480 | 17,500,000 | 3,794,820 | 21.11 | 1,900,000 |
| 41 | 850 | 1,000,000 | 356,000 | 7,076,225 | 8,436,225 | 1,004,000 | 11.90 | 903,623 |
| 42 | 175 | 350,000 | 59,933 | 2,686,420 | 2,806,000 | 149,642 | 5.17 | 310,600 |
| 43 | 300 | 350,000 | 90,000 | 2,599,000 | 2,791,000 | 102,000 | 3.65 | 300,100 |
| 44 | 240 | 350,000 | 130,867 | 2,599,860 | 2,861,888 | 131,161 | 4.58 | 307,189 |
| 45 | 85 | 350,000 | 47,637 | 1,406,657 | 1,584,000 | 129,708 | 8.19 | 179,400 |
| 46 | 66 | 678,750 | 12,932 | 428,750 | 505,994 | 64,312 | 12.71 | 91,324 |
| 47 | 40 | 75,000 | 6,000 | 170,000 | 185,000 | 9,000 | 4.86 | 23,000 |
| 48 | 6 | 25,000 | 11,000 | 136,905 | 150,000 | 2,095 | 1.40 | 16,500 |
| 49 | 175 | 150,000 | 12,000 | 600,000 | 625,000 | 13,000 | 2.08 | 71,500 |
| 50 | 20 | 50,000 | 7,000 | 130,000 | 140,000 | 3,000 | 2.14 | 17,000 |

Cooking and Heating Apparatus—Continued.

| Net profit or loss | Percentage of stock held of value of product | Percentage of wages paid of value of product | Percentage of interest and expenses of value of product | Percentage of net profit or loss of value of product..... | Average yearly product per employe | Average yearly net profit or loss per employe | Average yearly earnings of each employe | Number of establishment... |
|--------------------------|--|--|---|---|--|---|---|----------------------------|
| \$20 | 62.86 | 25.71 | 11.37 | .06 | \$2,500 | \$1 | \$643 | 11 |
| 4,857 | 52.40 | 27.95 | 12.64 | 7.12 | 1,137 | 81 | 317 | 12 |
| 1,800 | 68.75 | 17.50 | 11.50 | 2.25 | 3,333 | 75 | 583 | 13 |
| 2,400 | 50.00 | 25.00 | 13.00 | 12.00 | 1,667 | 200 | 417 | 14 |
| 4,300 | 60.00 | 19.00 | 12.40 | 8.60 | 1,667 | 143 | 317 | 15 |
| 2,280 | 35.00 | 40.00 | 13.60 | 11.40 | 1,250 | 143 | 500 | 16 |
| 18,600 | 28.00 | 20.00 | 14.80 | 37.20 | 1,667 | 620 | 333 | 17 |
| 5,500 | 40.00 | 40.00 | 14.50 | 5.50 | 1,205 | 66 | 482 | 18 |
| 4,887 | 22.11 | 50.53 | 16.60 | 10.76 | 1,108 | 119 | 560 | 19 |
| -1,000 | 31.25 | 56.25 | 13.75 | -1.25 | 1,739 | -22 | 978 | 20 |

CURED AND PACKED MEATS.

| | | | | | | | | |
|-----------|-------|------|-------|--------|----------|---------|-------|----|
| \$30,540 | 78.04 | 1.81 | 10.91 | 9.24 | \$11,020 | \$1,018 | \$200 | 1 |
| -12,830 | 90.74 | 1.90 | 11.42 | -4.06 | 15,062 | -611 | 286 | 2 |
| -113,420 | 97.00 | 2.01 | 10.03 | -9.04 | 27,889 | -2,620 | 560 | 3 |
| -5,015 | 88.80 | 2.11 | 10.27 | -1.18 | 28,417 | -334 | 600 | 4 |
| -19,689 | 94.33 | 1.79 | 10.23 | -6.36 | 38,711 | -2,461 | 694 | 3 |
| 8,680 | 78.46 | 6.82 | 12.92 | 1.79 | 7,329 | 131 | 500 | 6 |
| -1,036 | 84.08 | 5.50 | 11.37 | -95 | 9,095 | -86 | 500 | 7 |
| -1,845 | 81.50 | 7.11 | 11.44 | -2.05 | 9,000 | -185 | 640 | 8 |
| -2,156 | 85.54 | 3.18 | 12.01 | -72 | 19,935 | -144 | 633 | 9 |
| -224,915 | 96.76 | 2.59 | 10.26 | -9.61 | 18,648 | -1,791 | 482 | 10 |
| -162,017 | 96.59 | 3.00 | 10.37 | -9.96 | 11,624 | -1,157 | 348 | 11 |
| -83,418 | 93.60 | 3.54 | 10.55 | -7.69 | 17,489 | -1,345 | 619 | 12 |
| -35,415 | 89.95 | 2.93 | 10.51 | -3.40 | 16,482 | -560 | 484 | 13 |
| -97,791 | 92.89 | 3.01 | 10.19 | -6.08 | 9,187 | -559 | 277 | 14 |
| -31,292 | 91.23 | 5.11 | 10.53 | -6.86 | 9,320 | -626 | 466 | 15 |
| -112,320 | 96.15 | 2.23 | 10.57 | -8.96 | 7,371 | -661 | 165 | 16 |
| -43,276 | 94.51 | 2.37 | 10.25 | -7.14 | 7,307 | -521 | 173 | 17 |
| -12,766 | 89.68 | 2.35 | 10.33 | -2.36 | 13,841 | -327 | 326 | 18 |
| -8,257 | 89.62 | 3.17 | 10.34 | -3.13 | 5,278 | -165 | 167 | 19 |
| -16,100 | 93.17 | 3.47 | 11.34 | -7.97 | 5,050 | -403 | 175 | 20 |
| -12,030 | 93.06 | 2.62 | 10.63 | -6.31 | 15,886 | -1,003 | 417 | 21 |
| -524,000 | 91.20 | 4.95 | 10.11 | -6.25 | 9,859 | -616 | 488 | 22 |
| -1,300 | 85.11 | 4.53 | 10.40 | -0.03 | 12,510 | -4 | 567 | 23 |
| -83,944 | 93.95 | 3.62 | 10.74 | -8.32 | 14,415 | -1,199 | 522 | 24 |
| -9,446 | 87.70 | 2.87 | 10.75 | -1.32 | 11,968 | -157 | 343 | 25 |
| -91,100 | 93.98 | 2.48 | 10.21 | -6.67 | 28,220 | -1,882 | 700 | 26 |
| -507,491 | 91.10 | 7.09 | 10.54 | -8.73 | 7,476 | -653 | 530 | 27 |
| -117,150 | 88.51 | 6.37 | 10.27 | -5.14 | 6,514 | -335 | 415 | 28 |
| -7,400 | 87.70 | 4.53 | 10.57 | -2.79 | 13,250 | -370 | 600 | 29 |
| -14,050 | 89.25 | 9.12 | 10.78 | -9.15 | 3,411 | -312 | 311 | 30 |
| -79,605 | 93.31 | 3.55 | 11.22 | -8.08 | 12,313 | -995 | 438 | 31 |
| -75,100 | 92.82 | 2.43 | 10.46 | -5.70 | 23,422 | -1,341 | 571 | 32 |
| -190,584 | 94.51 | 1.09 | 10.12 | -5.72 | 47,576 | -2,723 | 520 | 33 |
| -171,718 | 98.63 | .38 | 10.06 | -9.07 | 94,628 | -8,586 | 361 | 34 |
| -1,121 | 85.06 | 4.89 | 10.81 | -76 | 12,276 | -93 | 600 | 35 |
| -3,920 | 87.50 | 6.94 | 11.00 | -5.44 | 9,000 | -190 | 625 | 36 |
| -35,300 | 92.34 | 2.67 | 10.22 | -5.23 | 16,875 | -883 | 450 | 37 |
| -10,800 | 86.60 | 3.83 | 12.15 | -2.58 | 16,720 | -432 | 640 | 38 |
| -22,320 | 91.56 | 6.90 | 12.14 | -10.63 | 10,500 | -1,116 | 725 | 39 |
| 1,894,820 | 73.98 | 4.34 | 10.86 | 10.83 | 11,475 | 1,243 | 498 | 40 |
| 100,377 | 83.88 | 4.22 | 10.71 | 1.19 | 9,925 | 118 | 419 | 41 |
| -100,958 | 92.76 | 2.07 | 10.73 | -5.56 | 16,549 | -920 | 343 | 42 |
| -198,100 | 93.12 | 3.22 | 10.75 | -7.10 | 9,303 | -660 | 300 | 43 |
| -176,028 | 90.84 | 4.57 | 10.73 | -6.15 | 11,925 | -783 | 545 | 44 |
| -49,692 | 88.80 | 3.01 | 11.33 | -3.14 | 18,635 | -585 | 560 | 45 |
| -27,012 | 84.73 | 2.56 | 18.05 | -5.34 | 7,667 | -409 | 196 | 46 |
| -14,000 | 91.89 | 3.24 | 12.43 | -7.57 | 4,625 | -350 | 150 | 47 |
| -14,406 | 91.27 | 7.33 | 11.00 | -9.60 | 25,000 | -2,401 | 1,833 | 48 |
| -58,500 | 96.00 | 1.92 | 11.44 | -9.36 | 3,571 | -334 | 69 | 49 |
| 14,000 | 92.86 | 5.00 | 12.14 | -10.00 | 7,000 | -700 | 350 | 50 |

Cured and Packed Meats—Continued.

| Number of es- tablishment.. | Average num- ber of em- ployes..... | Capital invest- ed..... | Wages paid during the year..... | Stock used.... | Value of pro- duct..... | Gross profit or loss..... | Percentage of gross profit of value of pro- duct..... | Estimated in- creased and ex- penses..... |
|--------------------------------|---|----------------------------|---------------------------------------|----------------|----------------------------|------------------------------|--|---|
| 51 | 1,165 | \$106,000 | \$300,000 | \$2,183,792 | \$3,500,000 | \$1,016,208 | 29.03 | \$374,000 |
| 52 | 375 | 400,000 | 80,019 | 1,785,227 | 2,000,000 | 134,754 | 6.74 | 224,000 |
| 53 | 1,000 | 750,000 | 150,000 | 2,135,000 | 2,450,000 | 165,000 | 6.73 | 290,000 |
| 54 | 20 | 40,000 | 7,500 | 142,000 | 150,035 | 535 | .96 | 17,404 |

DRUGS AND MEDICINES.

| | | | | | | | | |
|---|----|---------|---------|---------|----------|---------|-------|---------|
| 1 | 10 | \$5,000 | \$6,000 | \$6,000 | \$14,000 | \$2,000 | 14.29 | \$1,700 |
| 2 | 30 | 25,000 | 11,250 | 125,000 | 250,000 | 113,750 | 45.50 | 26,500 |
| 3 | 18 | 50,000 | 8,000 | 50,000 | 90,000 | 32,000 | 35.56 | 12,000 |
| 4 | 33 | 10,000 | 11,700 | 75,000 | 100,000 | 13,300 | 13.30 | 10,600 |
| 5 | 17 | 5,000 | 5,304 | 50,000 | 60,000 | 4,696 | 7.83 | 6,300 |
| 6 | 25 | 12,000 | 7,500 | 15,000 | 35,000 | 12,500 | 35.71 | 4,220 |
| 7 | 12 | 2,000 | 7,000 | 8,000 | 30,000 | 15,000 | 50.00 | 3,120 |
| 8 | 8 | 2,000 | 8,000 | 5,000 | 25,000 | 12,000 | 48.00 | 2,620 |
| 9 | 40 | 120,000 | 18,000 | 42,000 | 84,000 | 24,000 | 28.57 | 15,600 |

FLOUR AND MEAL.

| | | | | | | | | |
|----|----|----------|---------|-----------|-----------|---------|-------|----------|
| 1 | 10 | \$20,000 | \$5,500 | \$107,000 | \$117,500 | \$5,000 | 4.26 | \$12,960 |
| 2 | 12 | 50,000 | 9,716 | 247,836 | 272,580 | 15,028 | 5.51 | 30,258 |
| 3 | 10 | 20,000 | 6,583 | 65,850 | 79,680 | 7,247 | 9.10 | 9,168 |
| 4 | 13 | 27,000 | 7,000 | 206,000 | 225,000 | 12,000 | 5.33 | 24,120 |
| 5 | 18 | 50,000 | 9,000 | 259,500 | 280,000 | 11,500 | 4.11 | 31,000 |
| 6 | 9 | 40,000 | 5,250 | 217,987 | 238,330 | 15,093 | 6.33 | 26,233 |
| 7 | 14 | 62,000 | 10,574 | 279,148 | 315,595 | 25,873 | 8.20 | 35,280 |
| 8 | 10 | 50,000 | 8,000 | 122,500 | 130,500 | 8,000 | 6.13 | 16,050 |
| 9 | 20 | 100,000 | 12,000 | 214,000 | 264,000 | 38,000 | 14.39 | 32,400 |
| 10 | 10 | 50,000 | 5,500 | 56,000 | 80,000 | 18,500 | 23.13 | 11,000 |
| 11 | 39 | 100,000 | 18,000 | 650,000 | 700,000 | 32,000 | 4.57 | 76,000 |
| 12 | 10 | 25,000 | 5,000 | 47,000 | 55,550 | 3,550 | 6.39 | 7,055 |
| 13 | 20 | 30,000 | 6,000 | 125,523 | 151,665 | 20,142 | 13.28 | 16,967 |
| 14 | 24 | 3,500 | 9,000 | 153,800 | 183,800 | 21,000 | 11.43 | 18,590 |
| 15 | 26 | 45,000 | 9,000 | 164,130 | 190,440 | 17,310 | 9.09 | 21,744 |
| 16 | 25 | 90,000 | 10,000 | 190,130 | 220,140 | 20,010 | 9.09 | 27,414 |
| 17 | 28 | 100,000 | 10,000 | 196,540 | 227,520 | 20,980 | 9.22 | 28,752 |
| 18 | 14 | 26,000 | 5,000 | 132,000 | 164,000 | 27,000 | 16.46 | 17,960 |
| 19 | 24 | 40,000 | 13,449 | 175,600 | 190,000 | 951 | .50 | 21,400 |
| 20 | 18 | 30,000 | 6,500 | 320,000 | 389,000 | 62,500 | 16.06 | 40,700 |
| 21 | 9 | 23,000 | 5,350 | 107,800 | 141,900 | 28,750 | 20.26 | 15,570 |
| 22 | 35 | 250,000 | 21,000 | 454,370 | 482,375 | 7,005 | 1.45 | 63,238 |
| 23 | 28 | 150,000 | 19,500 | 393,829 | 423,911 | 10,582 | 2.50 | 51,391 |
| 24 | 6 | 25,000 | 5,000 | 50,000 | 65,000 | 10,000 | 15.38 | 8,000 |
| 25 | 21 | 75,000 | 13,000 | 219,500 | 275,000 | 42,500 | 15.45 | 32,000 |
| 26 | 16 | 35,000 | 9,965 | 112,000 | 124,900 | 2,935 | 2.35 | 10,590 |
| 27 | 8 | 18,000 | 5,250 | 81,820 | 95,670 | 8,600 | 8.99 | 14,447 |
| 28 | 15 | 30,000 | 7,000 | 77,500 | 104,000 | 19,500 | 18.75 | 12,200 |
| 29 | 25 | 45,000 | 8,650 | 180,200 | 191,800 | 2,950 | 1.54 | 21,880 |
| 30 | 8 | 20,000 | 5,000 | 76,600 | 90,000 | 8,400 | 9.33 | 10,200 |
| 31 | 15 | 35,000 | 5,500 | 171,300 | 197,150 | 20,350 | 10.32 | 21,815 |
| 32 | 7 | 30,000 | 6,000 | 99,500 | 116,000 | 10,500 | 9.05 | 13,400 |
| 33 | 12 | 6,000 | 5,400 | 92,000 | 101,700 | 4,900 | 4.23 | 10,530 |
| 34 | 4 | 8,000 | 7,320 | 73,200 | 82,750 | 2,230 | 2.69 | 8,755 |
| 35 | 25 | 46,000 | 10,600 | 208,000 | 233,000 | 14,400 | 6.18 | 26,060 |

Cured and Packed Meats—Continued.

| Net profit or loss | Percentage of stock used of value of product | Percentage of value of product | Percentage of interest and expense of value of product | Percentage of net profit or loss of value of product..... | Average yearly product per employe | Average yearly net profit or loss per employe | Average yearly earnings of each employe | Number of establishments..... |
|--------------------------|--|--------------------------------------|--|---|--|---|---|-------------------------------|
| \$642,208 | 62.39 | 8.57 | 10.69 | 18.35 | \$3,004 | \$551 | \$258 | 51 |
| —89,246 | 89.26 | 4.00 | 11.20 | —4.46 | 5,333 | —238 | 213 | 52 |
| —125,000 | 87.14 | 6.12 | 11.84 | —5.10 | 2,450 | —125 | 150 | 53 |
| —16,869 | 94.64 | 5.00 | 11.60 | —11.24 | 7,502 | —8,043 | 375 | 54 |

DRUGS AND MEDICINES.

| | | | | | | | | |
|--------|-------|-------|-------|-------|---------|-------|-------|---|
| \$300 | 42.86 | 42.86 | 12.14 | 2.14 | \$1,400 | \$30 | \$600 | 1 |
| 87,250 | 50.00 | 4.50 | 10.60 | 34.90 | 8,333 | 2,908 | 375 | 2 |
| 20,000 | 55.56 | 8.89 | 13.33 | 22.22 | 5,000 | 1,111 | 444 | 3 |
| 2,700 | 75.00 | 11.70 | 10.60 | 2.70 | 3,030 | 82 | 355 | 4 |
| —1,604 | 83.33 | 8.84 | 10.50 | —2.67 | 3,529 | —94 | 312 | 5 |
| 8,280 | 42.86 | 21.43 | 12.06 | 23.66 | 1,522 | 360 | 326 | 6 |
| 11,890 | 26.67 | 23.33 | 10.40 | 39.60 | 2,500 | 990 | 583 | 7 |
| 9,300 | 20.00 | 32.00 | 10.48 | 37.52 | 3,125 | 1,173 | 100 | 8 |
| 8,400 | 50.00 | 21.45 | 18.57 | 10.00 | 2,100 | 210 | 450 | 9 |

FLOUR AND MEAL.

| | | | | | | | | |
|----------|-------|------|-------|--------|----------|--------|-------|----|
| —\$7,950 | 91.06 | 4.69 | 11.02 | —6.77 | \$11,750 | —\$795 | \$550 | 1 |
| —15,290 | 90.92 | 5.56 | 11.10 | —5.59 | 22,715 | —1,269 | 810 | 2 |
| —1,921 | 82.64 | 8.20 | 11.51 | —2.41 | 7,968 | —192 | 658 | 3 |
| —12,120 | 91.56 | 3.11 | 10.72 | —5.39 | 17,308 | —932 | 538 | 4 |
| —19,500 | 92.68 | 3.21 | 11.07 | —6.96 | 15,555 | —1,083 | 500 | 5 |
| —11,140 | 91.46 | 2.20 | 11.01 | —4.67 | 20,481 | —1,238 | 583 | 6 |
| —9,413 | 88.45 | 3.35 | 11.18 | —2.98 | 22,543 | —972 | 755 | 7 |
| —16,050 | 93.87 | 6.13 | 12.30 | —12.30 | 13,050 | —1,605 | 800 | 8 |
| 5,600 | 81.06 | 4.55 | 12.27 | 2.12 | 13,200 | 280 | 600 | 9 |
| 7,500 | 70.00 | 6.88 | 13.75 | 9.38 | 8,000 | 750 | 550 | 10 |
| —44,000 | 92.86 | 2.57 | 10.86 | —6.29 | 17,949 | —1,128 | 462 | 11 |
| —3,505 | 84.61 | 9.00 | 12.70 | —6.31 | 5,555 | —351 | 500 | 12 |
| 3,175 | 82.76 | 3.96 | 11.19 | 2.09 | 7,583 | 159 | 300 | 13 |
| 2,410 | 83.08 | 4.90 | 10.11 | 1.31 | 7,658 | 100 | 375 | 14 |
| —4,434 | 86.18 | 4.73 | 11.42 | —2.35 | 7,325 | —171 | 346 | 15 |
| —7,404 | 86.37 | 4.54 | 12.45 | —3.36 | 8,896 | —286 | 400 | 16 |
| —7,772 | 86.38 | 4.40 | 12.64 | —3.42 | 8,126 | —278 | 357 | 17 |
| —9,040 | 80.49 | 5.05 | 10.95 | 5.51 | 11,714 | —646 | 357 | 18 |
| —20,449 | 92.42 | 7.08 | 11.26 | —10.76 | 7,917 | —852 | 560 | 19 |
| 21,800 | 82.26 | 1.67 | 10.46 | 5.60 | 21,611 | 1,211 | 361 | 20 |
| 13,180 | 75.97 | 3.77 | 10.97 | 9.29 | 15,767 | 1,464 | 594 | 21 |
| —56,253 | 94.19 | 4.35 | 13.11 | —11.66 | 13,782 | —1,607 | 600 | 22 |
| —40,909 | 92.90 | 4.60 | 12.12 | —9.63 | 15,140 | —1,457 | 696 | 23 |
| 2,000 | 76.92 | 7.69 | 12.31 | 3.08 | 10,833 | 333 | 833 | 24 |
| 10,500 | 79.82 | 4.73 | 11.64 | 3.82 | 13,085 | 500 | 619 | 25 |
| —11,655 | 89.67 | 7.98 | 11.68 | —9.35 | 7,806 | —728 | 625 | 26 |
| —2,047 | 85.52 | 5.49 | 11.13 | —2.14 | 11,959 | —256 | 656 | 27 |
| 7,300 | 74.52 | 6.73 | 11.73 | 7.02 | 6,833 | 487 | 467 | 28 |
| —18,980 | 83.95 | 4.51 | 11.41 | —9.87 | 7,672 | —757 | 346 | 29 |
| —1,800 | 85.11 | 5.56 | 11.33 | —2.00 | 11,250 | —225 | 625 | 30 |
| —1,465 | 86.89 | 2.80 | 11.07 | —7.74 | 13,143 | —98 | 367 | 31 |
| —2,900 | 85.78 | 5.17 | 11.55 | —2.50 | 16,571 | —414 | 857 | 32 |
| —6,250 | 90.46 | 5.31 | 10.35 | —6.13 | 8,475 | —529 | 450 | 33 |
| —6,525 | 88.46 | 8.85 | 10.58 | —7.89 | 20,688 | —1,631 | 1,890 | 34 |
| —11,660 | 89.27 | 4.55 | 11.18 | —5.00 | 9,320 | —466 | 424 | 35 |

Flour and Meal—Continued.

| Number of es- tablishment.. | Average num- ber of em- ployes..... | Capital invest- ed..... | Wages paid during the year..... | Stock used..... | Value of pro- duct..... | Gross profit or loss..... | Percentage of gross profit of value of pro- duct..... | Estimated in- terest and ex- penses..... |
|--------------------------------|---|----------------------------|---------------------------------------|-----------------|----------------------------|------------------------------|--|--|
| 36 | 45 | \$125,000 | \$30,000 | \$160,000 | \$550,000 | \$70,000 | 12.73 | \$62,500 |
| 37 | 18 | 40,000 | 7,000 | 91,845 | 107,958 | 9,113 | 8.44 | 13,196 |
| 38 | 20 | 60,000 | 12,000 | 201,500 | 250,000 | 36,500 | 14.60 | 28,600 |
| 39 | 21 | 60,000 | 12,000 | 202,100 | 250,400 | 36,300 | 14.50 | 28,640 |
| 40 | 15 | 20,000 | 7,500 | 72,150 | 87,800 | 8,150 | 9.28 | 9,980 |
| 41 | 20 | 85,000 | 10,000 | 392,500 | 431,000 | 28,500 | 6.61 | 48,200 |
| 42 | 13 | 60,000 | 7,500 | 136,500 | 144,000 | ..... | ..... | 18,000 |
| 43 | 12 | 12,000 | 5,800 | 107,398 | 146,632 | 33,434 | 22.80 | 15,383 |
| 44 | 18 | 90,000 | 12,310 | 283,388 | 300,000 | 4,302 | 1.43 | 35,400 |
| 45 | 24 | 75,000 | 25,500 | 439,700 | 516,760 | 51,560 | 9.98 | 56,176 |
| 46 | 20 | 70,000 | 19,800 | 326,036 | 347,125 | 41,299 | 10.67 | 42,913 |
| 47 | 25 | 25,000 | 15,000 | 188,000 | 251,200 | 48,200 | 19.19 | 26,620 |
| 48 | 20 | 50,000 | 13,000 | 330,000 | 363,000 | 20,000 | 5.51 | 39,300 |
| 49 | 40 | 80,000 | 15,000 | 531,500 | 570,000 | 20,500 | 3.60 | 61,800 |
| 50 | 12 | 80,000 | 7,150 | 266,048 | 315,900 | 42,702 | 13.52 | 36,390 |
| 51 | 11 | 60,000 | 6,290 | 204,200 | 218,200 | 7,710 | 3.53 | 25,420 |
| 52 | 18 | 30,000 | 9,000 | 129,800 | 141,000 | 5,200 | 3.61 | 16,200 |
| 53 | 20 | 59,492 | 10,530 | 182,065 | 198,000 | 5,005 | 2.53 | 23,370 |
| 54 | 44 | 50,000 | 25,000 | 395,436 | 448,084 | 27,648 | 6.17 | 47,808 |
| 55 | 12 | 75,000 | 7,000 | 305,500 | 314,500 | 2,000 | .64 | 35,950 |
| 56 | 27 | 52,000 | 10,957 | 117,000 | 150,000 | 22,043 | 14.70 | 18,120 |
| 57 | 9 | 25,000 | 8,900 | 148,500 | 170,000 | 12,600 | 7.41 | 18,500 |
| 58 | 10 | 40,000 | 6,700 | 90,750 | 111,500 | 14,050 | 12.60 | 13,550 |
| 59 | 16 | 38,400 | 7,280 | 247,864 | 273,184 | 18,040 | 6.60 | 29,622 |
| 60 | 26 | 40,000 | 10,000 | 218,300 | 250,000 | 21,700 | 8.68 | 27,400 |
| 61 | 22 | 150,000 | 13,000 | 328,600 | 350,000 | 8,400 | 2.40 | 44,000 |
| 62 | 11 | 40,000 | 5,100 | 125,000 | 135,000 | 4,000 | 3.63 | 15,900 |
| 63 | 16 | 40,000 | 5,700 | 216,904 | 243,000 | 20,396 | 8.39 | 26,700 |
| 64 | 11 | 20,000 | 5,400 | 147,000 | 159,000 | 6,800 | 4.15 | 17,100 |
| 65 | 11 | 35,000 | 7,558 | 94,090 | 109,200 | 7,552 | 6.92 | 13,020 |
| 66 | 12 | 30,000 | 7,000 | 119,000 | 139,907 | 13,987 | 9.99 | 15,799 |
| 67 | 12 | 35,000 | 7,000 | 107,600 | 120,033 | 5,433 | 4.53 | 14,104 |
| 68 | 18 | 75,000 | 15,000 | 246,246 | 277,014 | 15,728 | 5.68 | 32,201 |
| 69 | 30 | 100,000 | 19,500 | 277,633 | 345,368 | 8,235 | 2.70 | 36,537 |
| 70 | 50 | 150,000 | 30,000 | 408,000 | 475,000 | 37,000 | 7.79 | 56,500 |
| 71 | 19 | 40,000 | 13,000 | 256,000 | 285,000 | 16,000 | 5.61 | 30,900 |
| 72 | 45 | 130,000 | 23,000 | 269,375 | 317,000 | 24,625 | 7.77 | 39,500 |
| 73 | 25 | 50,000 | 12,000 | 395,836 | 431,400 | 23,564 | 5.46 | 46,140 |
| 74 | 14 | 20,000 | 8,000 | 218,000 | 260,000 | 34,000 | 13.08 | 27,200 |
| 75 | 13 | 20,000 | 6,000 | 195,000 | 212,500 | 11,500 | 5.41 | 22,450 |
| 76 | 18 | 65,000 | 8,205 | 153,741 | 168,826 | 6,880 | 4.08 | 20,733 |
| 77 | 27 | 100,000 | 12,555 | 272,925 | 293,470 | 7,990 | 2.72 | 35,347 |
| 78 | 14 | 75,000 | 8,250 | 199,700 | 215,250 | 7,300 | 3.39 | 26,025 |
| 79 | 26 | 40,000 | 6,560 | 186,721 | 211,026 | 17,745 | 8.41 | 21,503 |
| 80 | 15 | 75,000 | 5,400 | 293,600 | 332,000 | 33,000 | 9.94 | 37,700 |
| 81 | 15 | 42,500 | 10,000 | 208,600 | 224,000 | 5,400 | 2.41 | 32,950 |
| 82 | 20 | 100,000 | 10,000 | 95,060 | 110,000 | 4,940 | 4.49 | 17,000 |
| 83 | 10 | 12,000 | 8,000 | 83,150 | 100,265 | 9,115 | 9.09 | 10,747 |
| 84 | 18 | 100,000 | 5,500 | 80,000 | 112,000 | 26,500 | 23.66 | 17,200 |
| 85 | 24 | 60,000 | 11,450 | 170,142 | 208,000 | 26,408 | 12.70 | 24,400 |
| 86 | 20 | 6,000 | 6,000 | 67,000 | 80,300 | 7,300 | 9.09 | 8,300 |
| 87 | 7 | 75,000 | 5,608 | 159,879 | 184,365 | 18,878 | 10.24 | 22,937 |
| 88 | 10 | 35,000 | 5,400 | 93,350 | 109,392 | 10,642 | 9.73 | 13,039 |
| 89 | 10 | 60,000 | 5,000 | 135,000 | 150,000 | 10,000 | 6.67 | 18,600 |
| 90 | 30 | 75,000 | 15,241 | 256,793 | 325,000 | 52,966 | 16.30 | 37,000 |
| 91 | 35 | 75,000 | 16,000 | 297,007 | 400,000 | 86,993 | 21.75 | 44,500 |
| 92 | 15 | 35,000 | 6,000 | 183,150 | 250,000 | 60,850 | 24.34 | 27,100 |
| 93 | 13 | 50,000 | 7,000 | 143,600 | 165,000 | 14,400 | 8.73 | 19,500 |
| 94 | 9 | 30,000 | 8,000 | 285,500 | 303,000 | 9,500 | 3.14 | 32,100 |
| 95 | 50 | 200,000 | 28,000 | 1,195,000 | 1,300,000 | 77,000 | 5.92 | 142,000 |
| 96 | 25 | 75,000 | 7,000 | 246,390 | 252,500 | -890 | -.35 | 29,750 |
| 97 | 14 | 75,000 | 5,500 | 131,981 | 155,500 | 18,019 | 11.59 | 20,060 |

Flour and Meal—Continued.

| Net profit or loss..... | Percentage of stock used of value of product..... | Percentage of wages paid of value of product..... | Percentage of interest and expenses of value of product..... | Percentage of net profit or loss of value of product..... | Average yearly product per employe..... | Average yearly net profit or loss per employe..... | Average yearly earnings of each employe | Number of establishments..... |
|-------------------------|---|---|--|---|---|--|---|-------------------------------|
| \$7,500 | 83.64 | 3.64 | 11.36 | 1.36 | \$12,222 | \$167 | \$444 | 86 |
| -4,083 | 85.07 | 6.48 | 12.12 | -3.78 | 5,998 | -227 | 389 | 37 |
| 7,900 | 80.60 | 4.80 | 11.44 | 3.16 | 12,500 | 395 | 600 | 38 |
| 7,660 | 80.71 | 4.79 | 11.44 | 3.06 | 11,924 | 365 | 571 | 39 |
| -1,830 | 82.18 | 8.54 | 11.37 | -2.08 | 5,853 | -122 | 500 | 40 |
| -19,700 | 91.07 | 2.32 | 11.18 | -4.57 | 21,550 | -985 | 500 | 41 |
| -18,000 | 94.79 | 5.21 | 12.50 | -12.50 | 11,077 | -1,385 | 577 | 42 |
| 18,051 | 73.24 | 3.96 | 10.49 | 12.31 | 12,219 | 1,504 | 483 | 43 |
| -31,098 | 94.46 | 4.10 | 11.80 | -10.37 | 16,667 | -1,728 | 684 | 44 |
| -4,616 | 85.09 | 4.93 | 10.87 | -1.89 | 21,532 | -192 | 1,083 | 45 |
| -1,624 | 84.22 | 5.11 | 11.09 | -4.22 | 19,356 | -81 | 990 | 46 |
| 21,530 | 74.84 | 5.97 | 10.60 | 8.59 | 10,048 | 863 | 600 | 47 |
| -19,800 | 90.91 | 3.58 | 10.83 | -5.32 | 18,150 | -965 | 650 | 48 |
| -41,300 | 93.77 | 2.63 | 10.84 | -7.25 | 14,250 | -1,083 | 375 | 49 |
| 6,312 | 84.22 | 2.26 | 11.52 | 2.00 | 26,325 | 526 | 596 | 50 |
| -17,710 | 93.58 | 2.88 | 11.65 | -8.12 | 19,836 | -1,610 | 572 | 51 |
| -11,000 | 90.14 | 6.25 | 11.25 | -7.64 | 8,000 | -611 | 500 | 52 |
| -18,965 | 91.95 | 5.52 | 11.80 | -9.27 | 9,900 | -918 | 547 | 53 |
| -20,160 | 88.25 | 5.58 | 10.67 | -4.50 | 10,184 | -458 | 568 | 54 |
| -33,950 | 97.14 | 2.23 | 11.43 | -10.79 | 26,208 | -2,829 | 585 | 55 |
| 3,923 | 78.00 | 7.30 | 12.08 | 2.62 | 5,556 | 145 | 406 | 56 |
| -5,900 | 87.35 | 5.24 | 10.88 | -3.47 | 18,889 | -655 | 989 | 57 |
| 500 | 81.39 | 6.01 | 12.15 | .45 | 11,150 | 50 | 670 | 58 |
| -11,552 | 90.73 | 2.66 | 10.84 | -4.24 | 17,074 | -724 | 455 | 59 |
| -5,700 | 87.32 | 4.00 | 10.96 | -2.28 | 9,615 | -219 | 385 | 60 |
| -35,600 | 93.89 | 3.71 | 12.57 | -10.17 | 15,909 | -1,618 | 591 | 61 |
| -11,000 | 92.59 | 3.78 | 11.78 | -8.15 | 12,273 | -1,000 | 464 | 62 |
| -6,304 | 89.26 | 2.35 | 10.99 | -2.59 | 15,188 | -394 | 356 | 63 |
| -10,500 | 92.45 | 3.40 | 10.75 | -6.60 | 14,455 | -955 | 491 | 64 |
| -5,469 | 86.15 | 6.92 | 11.92 | -5.01 | 9,927 | -497 | 687 | 65 |
| -1,812 | 85.01 | 5.00 | 11.29 | -1.29 | 11,666 | -151 | 583 | 66 |
| -8,668 | 89.64 | 5.83 | 11.75 | -7.22 | 10,093 | -722 | 583 | 67 |
| -16,473 | 88.91 | 5.41 | 11.62 | -5.94 | 15,390 | -915 | 833 | 68 |
| -28,302 | 90.92 | 6.39 | 11.96 | -9.27 | 10,179 | -943 | 650 | 69 |
| -19,500 | 85.89 | 6.32 | 11.89 | -4.11 | 9,500 | -390 | 600 | 70 |
| -14,900 | 89.82 | 4.56 | 10.84 | -5.23 | 15,000 | -784 | 684 | 71 |
| -14,875 | 84.98 | 7.26 | 12.46 | -4.69 | 7,044 | -311 | 511 | 72 |
| -22,576 | 91.76 | 2.78 | 10.70 | -5.21 | 17,256 | -903 | 480 | 73 |
| 6,800 | 83.85 | 3.08 | 10.46 | 2.62 | 18,571 | 486 | 571 | 74 |
| -10,950 | 91.76 | 2.82 | 10.66 | -5.15 | 16,346 | -842 | 462 | 75 |
| -13,903 | 91.06 | 4.86 | 12.31 | -8.24 | 9,379 | -772 | 456 | 76 |
| -27,357 | 93.00 | 4.28 | 12.04 | -9.32 | 10,869 | -1,013 | 465 | 77 |
| -14,725 | 92.78 | 3.83 | 12.09 | -8.70 | 15,375 | -1,338 | 589 | 78 |
| -5,758 | 88.48 | 3.11 | 11.14 | -2.73 | 8,116 | -221 | 252 | 79 |
| -4,700 | 88.43 | 1.63 | 11.36 | -1.42 | 22,183 | -313 | 360 | 80 |
| -19,550 | 93.13 | 4.46 | 11.14 | -8.73 | 14,933 | -1,303 | 667 | 81 |
| -12,080 | 86.42 | 9.09 | 15.45 | -10.96 | 5,500 | -603 | 500 | 82 |
| -1,632 | 82.93 | 7.98 | 10.72 | -1.63 | 10,027 | -163 | 800 | 83 |
| 9,300 | 71.43 | 4.91 | 15.36 | 8.30 | 6,222 | 517 | 306 | 84 |
| 2,008 | 81.80 | 5.51 | 11.73 | .97 | 8,667 | 84 | 477 | 85 |
| -1,090 | 83.44 | 7.47 | 10.45 | -1.86 | 4,015 | -55 | 300 | 86 |
| -4,069 | 86.72 | 3.04 | 12.44 | -2.20 | 26,338 | -580 | 801 | 87 |
| -2,397 | 85.94 | 4.94 | 11.92 | -2.19 | 10,939 | -240 | 540 | 88 |
| -8,600 | 90.00 | 3.33 | 12.40 | -5.73 | 15,000 | -860 | 500 | 89 |
| 15,966 | 79.01 | 4.69 | 11.88 | 4.91 | 11,883 | 532 | 506 | 90 |
| 43,493 | 74.25 | 4.00 | 11.13 | 10.62 | 11,429 | 1,214 | 457 | 91 |
| 33,750 | 73.26 | 2.40 | 10.84 | 13.50 | 16,667 | 2,250 | 406 | 92 |
| -5,100 | 87.03 | 4.24 | 11.82 | -3.09 | 12,692 | -392 | 538 | 93 |
| -22,600 | 94.22 | 2.64 | 10.59 | -7.46 | 33,667 | -2,511 | 880 | 94 |
| -65,000 | 91.92 | 2.15 | 10.92 | -5.00 | 26,000 | -1,300 | 560 | 95 |
| -30,640 | 97.58 | 2.77 | 11.78 | -13.13 | 10,100 | -1,226 | 280 | 96 |
| -2,031 | 84.88 | 3.54 | 12.89 | -1.31 | 11,107 | -145 | 393 | 97 |

FOOD PREPARATION.

| Number of es- tablishment.. | Average num- ber of em- ployees..... | Capital invest- ed..... | Wages paid during the year..... | Stock used.... | Value of pro- duct..... | Gross profit or loss..... | Percentage of gross profit of value of pro- duct..... | Estimated in- terest and ex- penses..... |
|--------------------------------|--|----------------------------|---------------------------------------|----------------|----------------------------|------------------------------|--|--|
| 1 | 25 | \$15,000 | \$7,500 | \$10,000 | \$25,000 | \$7,500 | 30.00 | \$3,400 |
| 2 | 35 | 15,000 | 13,000 | 61,455 | 75,185 | 730 | .97 | 8,419 |
| 3 | 10 | 10,000 | 12,000 | 20,000 | 40,000 | 8,000 | 20.00 | 4,600 |
| 4 | 175 | 100,000 | 90,000 | 597,813 | 727,686 | 39,873 | 5.48 | 78,769 |
| 5 | 65 | 40,000 | 29,283 | 158,985 | 213,882 | 25,654 | 11.99 | 23,788 |
| 6 | 41 | 53,000 | 24,825 | 111,000 | 178,230 | 42,405 | 23.79 | 21,003 |
| 7 | 14 | 7,000 | 7,500 | 20,000 | 35,000 | 5,500 | 16.67 | 3,730 |
| 8 | 9 | 7,000 | 5,550 | 22,000 | 31,000 | 3,440 | 11.10 | 3,520 |
| 9 | 12 | 6,000 | 7,000 | 25,000 | 40,000 | 8,000 | 20.00 | 4,360 |
| 10 | 16 | 3,000 | 7,000 | 31,000 | 52,000 | 11,000 | 21.15 | 5,390 |
| 11 | 16 | 2,000 | 8,500 | 43,000 | 57,080 | 5,500 | 9.65 | 5,820 |
| 12 | 9 | 9,000 | 6,500 | 19,500 | 32,000 | 6,000 | 18.75 | 3,740 |
| 13 | 10 | 17,000 | 5,460 | 23,800 | 43,680 | 14,420 | 33.01 | 5,388 |
| 14 | 15 | 750 | 6,982 | 21,250 | 32,612 | 4,340 | 13.31 | 4,306 |
| 15 | 11 | 6,000 | 5,000 | 24,000 | 33,350 | 4,350 | 13.04 | 3,695 |
| 16 | 47 | 40,000 | 18,000 | 50,000 | 90,000 | 22,000 | 24.44 | 11,400 |
| 17 | 35 | 35,000 | 15,000 | 75,000 | 125,000 | 35,000 | 28.00 | 14,600 |
| 18 | 430 | 1,000,000 | 175,000 | 4,600,000 | 5,000,000 | 225,000 | 4.50 | 560,000 |
| 19 | 54 | 125,000 | 27,100 | 708,000 | 821,000 | 85,900 | 10.46 | 89,600 |
| 20 | 20 | 100,000 | 7,000 | 57,000 | 75,000 | 11,000 | 14.67 | 13,500 |
| 21 | 35 | 8,800 | 5,610 | 91,500 | 106,800 | 9,690 | 9.07 | 11,208 |
| 22 | 15 | 100,000 | 8,700 | 180,000 | 256,000 | 67,300 | 26.29 | 31,600 |
| 23 | 32 | 100,000 | 15,000 | 425,000 | 500,000 | 60,000 | 12.00 | 56,000 |
| 24 | 35 | 75,000 | 16,000 | 200,000 | 250,000 | 34,000 | 13.60 | 29,500 |
| 25 | 110 | 70,900 | 51,100 | 691,021 | 816,879 | 74,758 | 9.15 | 85,942 |
| 26 | 29 | 50,000 | 18,000 | 225,000 | 250,000 | 7,000 | 2.80 | 28,000 |
| 27 | 18 | 50,000 | 8,000 | 200,000 | 250,000 | 42,000 | 16.80 | 28,000 |
| 28 | 12 | 40,000 | 6,500 | 150,000 | 180,000 | 23,500 | 13.06 | 20,400 |
| 29 | 20 | 30,000 | 15,080 | 260,000 | 300,000 | 24,920 | 8.31 | 31,800 |
| 30 | 200 | 150,000 | 60,000 | 450,000 | 600,000 | 90,000 | 15.00 | 69,000 |
| 31 | 120 | 100,000 | 30,000 | 375,000 | 450,000 | 45,000 | 10.00 | 51,000 |
| 32 | 24 | 40,000 | 9,000 | 150,000 | 200,000 | 41,000 | 20.50 | 22,400 |
| 33 | 32 | 30,000 | 14,300 | 50,000 | 75,000 | 10,700 | 14.27 | 9,300 |
| 34 | 60 | 30,000 | 20,000 | 150,000 | 200,000 | 30,000 | 15.00 | 21,800 |
| 35 | 70 | 20,000 | 30,000 | 45,000 | 90,000 | 15,000 | 16.67 | 10,300 |
| 36 | 13 | 10,000 | 5,250 | 36,000 | 60,000 | 18,750 | 31.25 | 6,600 |
| 37 | 12 | 8,000 | 12,000 | 35,000 | 60,000 | 13,000 | 21.67 | 6,480 |
| 38 | 18 | 4,000 | 8,000 | 28,000 | 43,000 | 7,000 | 16.28 | 4,540 |
| 39 | 7 | 2,500 | 4,500 | 16,000 | 26,000 | 5,500 | 21.15 | 2,750 |
| 40 | 125 | 40,000 | 38,000 | 100,000 | 150,000 | 12,000 | 8.00 | 17,400 |
| 41 | 24 | 140,000 | 14,000 | 78,000 | 160,000 | 68,000 | 42.50 | 24,400 |
| 42 | 20 | 6,000 | 12,800 | 160,000 | 208,000 | 35,200 | 16.92 | 21,160 |
| 43 | 50 | 20,000 | 15,000 | 150,000 | 200,000 | 35,000 | 17.50 | 21,200 |
| 44 | 17 | 18,600 | 5,500 | 12,600 | 37,000 | 18,900 | 51.08 | 4,816 |
| 45 | 40 | 40,000 | 12,000 | 75,000 | 125,000 | 38,000 | 30.40 | 14,900 |
| 46 | 30 | 15,000 | 10,300 | 51,000 | 74,000 | 12,700 | 17.16 | 8,900 |
| 47 | 50 | 10,000 | 17,000 | 126,415 | 165,723 | 22,308 | 13.46 | 17,172 |
| 48 | 15 | 500 | 5,000 | 20,000 | 30,000 | 5,000 | 16.67 | 3,690 |
| 49 | 211 | 32,000 | 20,500 | 55,000 | 92,000 | 16,500 | 17.93 | 11,120 |
| 50 | 25 | 2,500 | 7,800 | 65,000 | 75,000 | 2,200 | 2.93 | 7,650 |
| 51 | 15 | 20,000 | 7,000 | 80,000 | 120,000 | 33,000 | 27.50 | 13,200 |
| 52 | 30 | 30,000 | 8,400 | 66,800 | 85,000 | 19,800 | 23.29 | 10,300 |
| 53 | 29 | 35,000 | 12,000 | 108,000 | 130,000 | 10,000 | 7.69 | 15,100 |
| 54 | 10 | 12,000 | 5,500 | 35,000 | 50,000 | 9,500 | 19.00 | 5,720 |
| 55 | 12 | 10,000 | 5,000 | 20,000 | 30,000 | 5,000 | 16.67 | 3,600 |
| 56 | 30 | 20,000 | 14,500 | 70,000 | 100,000 | 15,500 | 15.50 | 11,200 |

PROFITS AND EARNINGS.

FOOD PREPARATION.

| Net Profit of 100m..... | Percentage of stock used of value of pro- duct..... | Percentage of wages paid of value of pro- duct..... | Percentage of interest and expense of value of pro- duct..... | Percentage of net profit or loss of value of product.... | Average yearly product per employee..... | Average yearly net profit or loss per em- ploye..... | Average yearly earnings of each employe |
|----------------------------|--|--|---|---|--|---|---|
| 4.100 | 40.00 | 30.00 | 13.60 | 16.40 | \$1,000 | \$164 | \$30 |
| -7.689 | 81.74 | 17.29 | 11.20 | -10.23 | 2,148 | -220 | 37 |
| 3.400 | 50.00 | 30.00 | 11.50 | 8.50 | 4,000 | 340 | 1,20 |
| 38.896 | 82.15 | 12.37 | 10.82 | -5.35 | 4,158 | -222 | 51 |
| 1.866 | 74.31 | 13.70 | 11.12 | .87 | 3,290 | 29 | 45 |
| 21.402 | 62.28 | 13.93 | 11.78 | 12.01 | 4,347 | 522 | 60 |
| 1.780 | 60.61 | 22.73 | 11.27 | 5.39 | 2,357 | 127 | 53 |
| -80 | 70.97 | 17.94 | 11.35 | -26 | 3,444 | -9 | 61 |
| 3.640 | 62.50 | 17.50 | 10.90 | 9.10 | 3,333 | 303 | 58 |
| 5.620 | 66.38 | 13.46 | 10.35 | 10.31 | 3,250 | 351 | 43 |
| -320 | 75.45 | 14.91 | 10.21 | -56 | 3,563 | -20 | 53 |
| 2.250 | 60.94 | 20.31 | 11.69 | 7.06 | 2,667 | 188 | 54 |
| 9.032 | 54.49 | 12.50 | 12.34 | 20.67 | 4,368 | 903 | 54 |
| 34 | 65.28 | 21.41 | 13.20 | .10 | 2,174 | 2 | 46 |
| 655 | 71.96 | 14.99 | 11.08 | 1.96 | 3,032 | 60 | 45 |
| 10,600 | 55.56 | 20.00 | 12.67 | 11.75 | 1,915 | 226 | 38 |
| 20,400 | 60.00 | 12.00 | 11.68 | 16.32 | 3,571 | 593 | 42 |
| 335,000 | 92.00 | 3.50 | 11.20 | -6.70 | 11,628 | -779 | 40 |
| -3,700 | 96.24 | 3.30 | 10.91 | -45 | 15,204 | -69 | 50 |
| -2,500 | 76.00 | 9.33 | 18.00 | -3.33 | 3,750 | -125 | 35 |
| -1,518 | 85.67 | 5.25 | 10.49 | -1.42 | 3,051 | -43 | 16 |
| 35,700 | 70.31 | 3.40 | 12.34 | 13.95 | 17,067 | 2,385 | 58 |
| 4,000 | 85.00 | 3.00 | 11.20 | .80 | 15,625 | 125 | 46 |
| 4,500 | 80.00 | 6.40 | 11.80 | 1.80 | 7,143 | 129 | 45 |
| -11,184 | 84.59 | 6.26 | 10.52 | -1.37 | 7,426 | -102 | 46 |
| -21,000 | 90.00 | 7.20 | 11.20 | -8.40 | 8,621 | -724 | 62 |
| 14,000 | 80.00 | 3.20 | 11.20 | 5.60 | 13,889 | 778 | 44 |
| 3,100 | 83.33 | 3.61 | 11.33 | 1.72 | 15,000 | 258 | 54 |
| -6,880 | 86.67 | 5.03 | 10.60 | -2.29 | 15,000 | -344 | 75 |
| 21,000 | 75.00 | 10.00 | 11.50 | 3.50 | 3,000 | 105 | 30 |
| -6,000 | 83.33 | 6.67 | 11.33 | -1.33 | 3,750 | -50 | 25 |
| 18,600 | 75.00 | 4.50 | 11.20 | 9.30 | 8,333 | 775 | 37 |
| 1,400 | 66.67 | 19.07 | 12.40 | 1.87 | 2,344 | 44 | 44 |
| 8,200 | 75.00 | 10.00 | 10.90 | 4.10 | 3,333 | 137 | 33 |
| 4,800 | 50.00 | 33.33 | 11.33 | 5.33 | 1,286 | 69 | 42 |
| 12,150 | 60.00 | 8.75 | 11.00 | 20.25 | 4,615 | 936 | 40 |
| 6,520 | 58.33 | 20.00 | 10.80 | 10.87 | 5,000 | 543 | 1,00 |
| 2,460 | 65.12 | 18.60 | 10.56 | 5.72 | 2,389 | 137 | 44 |
| 2,750 | 61.54 | 17.31 | 10.58 | 10.58 | 3,174 | 393 | 64 |
| -5,400 | 66.67 | 25.33 | 11.60 | -3.60 | 1,200 | -43 | 30 |
| 43,600 | 48.75 | 8.75 | 15.25 | 27.25 | 6,667 | 1,817 | 58 |
| 14,040 | 76.92 | 6.15 | 10.17 | 6.75 | 10,400 | 702 | 64 |
| 13,800 | 75.00 | 7.50 | 10.60 | 6.90 | 4,000 | 276 | 30 |
| 14,084 | 34.06 | 14.86 | 13.02 | 38.06 | 2,176 | 828 | 32 |
| 23,100 | 60.00 | 9.60 | 11.92 | 18.48 | 3,125 | 578 | 30 |
| 4,460 | 68.92 | 13.92 | 11.22 | 5.95 | 2,467 | 147 | 34 |
| 5,136 | 76.28 | 10.26 | 10.36 | 3.10 | 3,314 | 103 | 34 |
| 1,970 | 66.67 | 16.67 | 10.10 | 6.57 | 2,000 | 131 | 33 |
| 5,380 | 59.78 | 22.28 | 12.09 | 5.85 | 436 | 25 | 9 |
| -5,450 | 86.67 | 10.40 | 10.20 | -7.27 | 3,000 | -218 | 31 |
| 19,800 | 66.67 | 5.83 | 11.00 | 16.50 | 8,000 | 1,320 | 46 |
| 9,500 | 66.82 | 9.88 | 12.12 | 11.18 | 2,833 | 317 | 28 |
| 5,100 | 83.08 | 9.23 | 11.62 | -3.92 | 4,483 | -176 | 41 |
| 3,780 | 70.00 | 11.00 | 11.44 | 7.56 | 5,000 | 378 | 55 |
| 1,400 | 66.67 | 16.67 | 12.00 | 4.67 | 2,500 | 117 | 41 |
| 4,300 | 70.00 | 14.50 | 11.20 | 4.30 | 3,333 | 143 | 48 |

FURNITURE.

| Number of establishments..... | Average number of employees..... | Capital invested..... | Wages paid during the year..... | Stock used.... | Value of product..... | Gross profit or loss..... | Percentage of gross profit of value of product..... | Estimated interest and expenses..... |
|-------------------------------|----------------------------------|-----------------------|---------------------------------|----------------|-----------------------|---------------------------|---|--------------------------------------|
| 1 | 120 | \$130,000 | \$63,000 | \$25,000 | \$115,000 | \$27,000 | 23.48 | \$19,300 |
| 2 | 75 | 50,000 | 16,500 | 25,000 | 60,000 | 18,500 | 30.83 | 9,000 |
| 3 | 125 | 120,000 | 80,070 | 179,540 | 301,600 | 41,990 | 13.92 | 37,360 |
| 4 | 35 | 15,000 | 15,000 | 15,000 | 36,000 | 6,000 | 16.67 | 4,500 |
| 5 | 144 | 75,000 | 75,000 | 60,000 | 175,000 | 40,000 | 22.86 | 22,000 |
| 6 | 32 | 7,000 | 15,600 | 11,000 | 30,000 | 8,400 | 11.33 | 3,420 |
| 7 | 40 | 20,000 | 25,000 | 10,000 | 50,000 | 15,000 | 30.00 | 5,200 |
| 8 | 88 | 25,000 | 42,000 | 150,000 | 205,000 | 13,000 | 6.34 | 22,000 |
| 9 | 23 | 30,000 | 16,351 | 18,000 | 40,000 | 6,649 | 16.62 | 3,200 |
| 10 | 22 | 7,000 | 8,500 | 8,000 | 30,000 | 13,500 | 45.00 | 3,420 |
| 11 | 30 | 10,000 | 7,500 | 7,000 | 20,000 | 5,500 | 27.50 | 2,600 |
| 12 | 40 | 40,000 | 23,000 | 12,000 | 60,000 | 25,000 | 41.67 | 8,400 |
| 13 | 33 | 10,000 | 15,000 | 16,000 | 42,000 | 11,000 | 26.19 | 4,800 |
| 14 | 100 | 40,000 | 29,063 | 50,000 | 72,000 | 12,937 | 17.97 | 9,600 |
| 15 | 48 | 13,000 | 16,800 | 28,000 | 55,000 | 10,200 | 18.55 | 6,350 |
| 16 | 12 | 4,000 | 7,400 | 4,000 | 17,000 | 5,600 | 32.94 | 1,940 |
| 17 | 8 | 8,000 | 9,600 | 9,000 | 24,000 | 5,400 | 22.50 | 2,800 |
| 18 | 150 | 50,000 | 65,000 | 45,000 | 140,000 | 30,000 | 21.43 | 17,000 |
| 19 | 24 | 10,000 | 12,000 | 10,000 | 30,000 | 8,000 | 26.67 | 3,600 |
| 20 | 73 | 40,000 | 33,800 | 135,200 | 225,000 | 56,000 | 24.89 | 24,900 |
| 21 | 20 | 8,000 | 6,000 | 34,000 | 45,000 | 5,000 | 11.11 | 4,900 |
| 22 | 30 | 10,000 | 12,000 | 7,500 | 28,800 | 9,300 | 32.29 | 3,450 |
| 23 | 33 | 15,000 | 14,400 | 12,000 | 40,000 | 13,600 | 34.00 | 4,900 |
| 24 | 28 | 8,000 | 12,726 | 1,500 | 30,000 | 15,774 | 52.58 | 3,450 |
| 25 | 15 | 2,500 | 9,400 | 4,500 | 16,800 | 2,700 | 16.07 | 1,530 |
| 26 | 38 | 10,000 | 20,000 | 14,000 | 45,000 | 11,000 | 24.44 | 5,100 |
| 27 | 30 | 5,000 | 10,150 | 7,000 | 30,000 | 12,850 | 42.83 | 3,300 |
| 28 | 30 | 10,000 | 18,000 | 10,000 | 36,000 | 8,000 | 22.22 | 4,200 |
| 29 | 106 | 50,000 | 50,000 | 70,000 | 150,000 | 30,000 | 20.00 | 18,000 |
| 30 | 50 | 30,000 | 15,000 | 50,000 | 80,000 | 15,000 | 18.75 | 9,800 |
| 31 | 64 | 40,000 | 25,000 | 75,000 | 112,000 | 12,000 | 10.71 | 13,600 |
| 32 | 47 | 10,000 | 25,000 | 50,000 | 125,000 | 50,000 | 40.00 | 13,100 |
| 33 | 40 | 20,000 | 20,000 | 35,000 | 60,000 | 5,000 | 8.33 | 7,200 |
| 34 | 45 | 15,000 | 10,000 | 12,000 | 25,000 | 8,000 | 12.00 | 3,580 |
| 35 | 38 | 5,000 | 15,600 | 10,000 | 36,000 | 10,400 | 28.89 | 3,900 |
| 36 | 120 | 120,000 | 40,500 | 50,000 | 125,000 | 34,500 | 27.60 | 19,700 |
| 37 | 60 | 10,000 | 25,000 | 18,000 | 50,000 | 7,000 | 14.00 | 5,600 |
| 38 | 20 | 10,000 | 10,000 | 25,000 | 38,000 | 3,000 | 7.89 | 4,400 |
| 39 | 38 | 35,000 | 18,172 | 10,521 | 40,879 | 6,186 | 15.13 | 6,183 |
| 40 | 50 | 50,000 | 35,000 | 40,000 | 82,000 | 7,000 | 8.54 | 11,200 |
| 41 | 9 | 3,000 | 5,600 | 8,500 | 15,000 | 900 | 6.00 | 1,680 |
| 42 | 32 | 20,000 | 15,400 | 24,000 | 50,000 | 10,600 | 21.20 | 6,200 |
| 43 | 20 | 500 | 10,163 | 20,144 | 35,646 | 5,333 | 14.96 | 3,595 |
| 44 | 27 | 2,500 | 14,200 | 15,000 | 35,000 | 5,800 | 16.57 | 3,650 |
| 45 | 10 | 2,600 | 5,500 | 4,000 | 12,000 | 2,500 | 20.83 | 1,236 |
| 46 | 35 | 15,000 | 14,000 | 11,700 | 35,000 | 9,900 | 28.57 | 4,400 |
| 47 | 25 | 2,500 | 7,500 | 15,000 | 28,000 | 5,500 | 19.64 | 2,950 |
| 48 | 30 | 4,000 | 18,700 | 10,000 | 40,000 | 11,900 | 29.75 | 4,240 |
| 49 | 35 | 11,000 | 6,000 | 12,000 | 20,000 | 2,000 | 10.00 | 2,600 |
| 50 | 12 | 3,000 | 5,200 | 1,000 | 10,000 | 3,800 | 38.00 | 1,180 |
| 51 | 30 | 10,000 | 18,000 | 26,000 | 55,000 | 11,000 | 20.00 | 6,100 |
| 52 | 8 | 1,500 | 5,400 | 1,000 | 9,000 | 2,600 | 28.89 | 980 |
| 53 | 13 | 5,000 | 7,875 | 4,500 | 16,000 | 3,625 | 22.66 | 1,900 |
| 54 | 155 | 115,000 | 63,000 | 135,000 | 220,000 | 22,000 | 10.00 | 28,900 |
| 55 | 18 | 4,500 | 5,100 | 3,400 | 10,200 | 1,700 | 16.67 | 1,250 |
| 56 | 150 | 185,000 | 90,000 | 65,000 | 175,000 | 20,000 | 11.43 | 28,600 |
| 57 | 32 | 25,000 | 20,000 | 100,000 | 150,000 | 30,000 | 20.00 | 16,500 |
| 58 | 35 | 10,500 | 24,000 | 60,000 | 90,000 | 6,000 | 6.67 | 9,630 |
| 59 | 25 | 6,000 | 13,500 | 10,500 | 36,000 | 6,000 | 20.00 | 3,360 |
| 60 | 210 | 100,000 | 96,000 | 102,000 | 210,000 | 12,000 | 5.71 | 27,000 |
| 61 | 40 | 50,000 | 24,395 | 67,661 | 125,000 | 32,944 | 26.36 | 15,500 |
| 62 | 45 | 25,000 | 18,700 | 50,000 | 50,000 | 14,800 | 29.60 | 6,500 |
| 63 | 48 | 30,000 | 21,750 | 24,275 | 48,000 | 1,875 | 4.11 | 6,000 |
| 64 | 41 | 25,000 | 25,000 | 25,000 | 65,000 | 15,000 | 23.06 | 8,000 |
| 65 | 16 | 12,000 | 5,500 | 16,000 | 25,000 | 3,500 | 14.00 | 3,220 |
| 66 | 30 | 9,000 | 12,500 | 16,000 | 30,000 | 1,500 | 5.00 | 3,510 |

PROFITS AND EARNINGS.

FURNITURE.

| Net profit or loss..... | Percentage of stock used of value of pro- duct..... | Percentage of stock used of value of pro- duct..... | Percentage of interest and expenses of value of pro- duct..... | Percentage of net profit or loss for value of product.... | Average yearly product per employee..... | Loss per em- ploye..... |
|----------------------------|--|--|--|--|--|----------------------------|
| \$7,700 | 21.74 | 54.78 | 16.78 | 6.70 | \$958 | |
| 9,500 | 41.67 | 27.50 | 15.00 | 15.83 | 800 | |
| 4,630 | 59.53 | 26.55 | 12.39 | 1.54 | 2,413 | |
| 1,500 | 41.67 | 41.67 | 12.50 | 4.17 | 1,440 | |
| 18,000 | 34.29 | 42.86 | 12.57 | 10.29 | 1,215 | |
| -20 | 36.67 | 52.00 | 11.49 | -1.07 | 938 | |
| 8,800 | 20.00 | 50.00 | 12.40 | 17.66 | 1,250 | |
| 9,000 | 73.17 | 20.49 | 10.73 | -4.39 | 2,330 | |
| 1,449 | 45.00 | 38.38 | 13.00 | 3.62 | 1,429 | |
| 10,080 | 26.67 | 28.33 | 11.40 | 33.60 | 1,364 | |
| 2,900 | 35.00 | 37.50 | 13.00 | 14.50 | 667 | |
| 16,600 | 20.00 | 38.33 | 14.00 | 27.67 | 1,500 | |
| 6,200 | 38.10 | 35.71 | 11.43 | 14.76 | 1,273 | |
| 3,337 | 41.67 | 40.38 | 13.33 | 4.63 | 720 | |
| 3,920 | 50.91 | 30.55 | 11.42 | 7.13 | 1,146 | |
| 3,650 | 23.53 | 43.53 | 11.41 | 21.53 | 1,417 | |
| 2,520 | 37.50 | 40.00 | 12.00 | 10.50 | 1,200 | |
| 13,000 | 32.14 | 46.43 | 12.14 | 9.29 | 1,933 | |
| 4,400 | 33.33 | 40.00 | 12.00 | 14.67 | 1,250 | |
| 31,100 | 60.09 | 15.02 | 11.07 | 13.82 | 3,062 | |
| 20 | 75.56 | 13.33 | 11.07 | .04 | 2,250 | |
| 5,820 | 26.04 | 41.67 | 12.08 | 20.21 | 960 | |
| 8,700 | 30.00 | 36.00 | 12.25 | 21.75 | 1,212 | |
| 12,294 | 5.00 | 42.42 | 11.60 | 40.98 | 1,071 | |
| 870 | 26.78 | 57.14 | 10.89 | 5.18 | 1,120 | |
| 5,900 | 31.11 | 44.44 | 11.33 | 13.11 | 1,184 | |
| 9,550 | 23.33 | 35.83 | 11.00 | 31.83 | 1,500 | |
| 3,550 | 27.78 | 50.00 | 11.67 | 10.56 | 1,200 | |
| 3,800 | 46.67 | 33.33 | 12.00 | 8.00 | 1,415 | |
| 12,000 | 62.50 | 18.75 | 12.25 | 6.50 | 1,600 | |
| 20 | 66.96 | 22.92 | 12.14 | -1.43 | 1,750 | |
| 600 | 40.00 | 20.00 | 12.48 | 29.52 | 2,659 | |
| 6,900 | 58.33 | 33.33 | 12.00 | -3.67 | 1,500 | |
| 2,200 | 48.00 | 40.00 | 14.32 | -2.32 | 1,556 | |
| -580 | 27.78 | 45.33 | 10.83 | 18.06 | 947 | |
| 6,500 | 40.00 | 32.40 | 15.76 | 11.84 | 1,042 | |
| 14,800 | 36.00 | 50.00 | 11.20 | 2.80 | 833 | |
| 1,400 | 65.79 | 26.32 | 11.58 | -3.68 | 1,900 | |
| 1,400 | 40.41 | 44.45 | 15.14 | a | 1,076 | a |
| -2 | 48.78 | 42.68 | 13.66 | -5.12 | 1,640 | |
| 4,200 | 56.67 | 37.33 | 11.20 | -5.20 | 1,667 | |
| -780 | 48.00 | 30.80 | 12.40 | 8.80 | 1,563 | |
| 4,400 | 42.86 | 28.53 | 10.09 | 4.88 | 1,782 | |
| 1,738 | 56.51 | 40.57 | 10.43 | 6.14 | 1,296 | |
| 2,150 | 33.33 | 45.83 | 10.30 | 10.53 | 1,200 | |
| 1,264 | 33.33 | 40.00 | 12.57 | 14.00 | 1,000 | |
| 4,900 | 53.57 | 26.79 | 10.54 | 9.11 | 1,120 | |
| 2,550 | 25.00 | 46.75 | 10.60 | 17.65 | 1,333 | |
| 7,000 | 60.00 | 30.00 | 13.30 | -3.30 | 571 | |
| -660 | 10.00 | 52.00 | 11.80 | 26.20 | 833 | |
| 2,620 | 47.27 | 32.73 | 11.09 | 8.91 | 1,833 | |
| 4,000 | 11.11 | 60.00 | 11.00 | 17.89 | 1,125 | |
| 1,610 | 28.13 | 49.22 | 11.88 | 10.78 | 1,231 | |
| 1,725 | 61.36 | 28.64 | 13.14 | -3.14 | 1,419 | |
| -6,900 | 33.35 | 50.00 | 12.65 | 4.02 | 567 | |
| 410 | 37.14 | 51.43 | 16.34 | -4.91 | 1,167 | |
| -8,600 | 66.67 | 13.33 | 11.00 | 9.00 | 4,688 | |
| 13,500 | 66.67 | 26.67 | 10.70 | -4.03 | 2,571 | |
| -3,630 | 35.00 | 45.00 | 11.20 | 8.80 | 1,200 | |
| 2,640 | 48.57 | 45.71 | 12.86 | -7.14 | 1,000 | |
| -15,000 | 54.13 | 19.52 | 12.40 | 13.96 | 3,125 | |
| 17,444 | 33.00 | 37.40 | 13.00 | 16.60 | 1,111 | |
| 8,300 | 50.57 | 45.31 | 13.75 | -9.64 | 1,030 | |
| -4,625 | 38.46 | 38.46 | 12.35 | 10.77 | 1,585 | |
| 7,000 | 64.00 | 22.00 | 12.88 | 1.12 | 1,563 | |
| 280 | 53.33 | 41.67 | 11.80 | -6.80 | 1,000 | |
| -2,040 | | | | | | |

Furniture—Continued.

| Number of establishments..... | Average number of employees..... | Capital invested..... | Wages paid during the year..... | Stock used..... | Value of product..... | Gross profit or loss..... | Percentage of gross profit of value of product..... | Estimated interest and expenses..... |
|-------------------------------|----------------------------------|-----------------------|---------------------------------|-----------------|-----------------------|---------------------------|---|--------------------------------------|
| 67 | 33 | \$9,000 | \$15,000 | \$20,000 | \$38,000 | \$3,000 | 7.89 | \$4,340 |
| 68 | 25 | 5,000 | 10,000 | 14,500 | 28,000 | 5,500 | 12.50 | 1,100 |
| 69 | 21 | 4,500 | 5,500 | 12,500 | 20,000 | 5,000 | 10.00 | 1,270 |
| 70 | 14 | 4,000 | 5,540 | 11,720 | 21,000 | 5,740 | 17.81 | 1,340 |
| 71 | 13 | 3,500 | 7,800 | 7,900 | 18,657 | 2,957 | 15.85 | 2,076 |
| 72 | 13 | 500 | 10,800 | 10,000 | 26,000 | 5,200 | 20.00 | 2,630 |
| 73 | 24 | 5,000 | 7,370 | 6,000 | 16,000 | 2,630 | 16.44 | 1,900 |
| 74 | 11 | 5,000 | 5,000 | 13,000 | 30,000 | 12,000 | 40.00 | 3,300 |
| 75 | 12 | 3,500 | 7,200 | 6,500 | 16,874 | 3,174 | 18.81 | 1,897 |
| 76 | 34 | 5,000 | 15,750 | 9,432 | 36,000 | 10,800 | 30.00 | 4,060 |
| 77 | 42 | 5,000 | 15,200 | 13,080 | 39,280 | 11,000 | 28.00 | 4,288 |
| 78 | 25 | 6,500 | 8,500 | 2,000 | 13,125 | 2,625 | 20.00 | 1,703 |
| 79 | 20 | 3,000 | 5,000 | 7,000 | 15,000 | 8,000 | 20.00 | 1,680 |
| 80 | 36 | 25,000 | 15,000 | 27,000 | 50,000 | 8,000 | 16.00 | 6,500 |
| 81 | 12 | 15,000 | 5,800 | 1,500 | 16,000 | 8,700 | 54.38 | 2,500 |
| 82 | 275 | 250,000 | 125,000 | 250,000 | 600,000 | 225,000 | 37.50 | 75,000 |
| 83 | 15 | 10,000 | 7,000 | 20,000 | 40,000 | 13,000 | 32.50 | 4,600 |
| 84 | 52 | 15,000 | 28,900 | 20,404 | 64,000 | 14,690 | 22.96 | 7,300 |
| 85 | 16 | 2,000 | 6,500 | 3,800 | 15,000 | 4,700 | 31.33 | 1,620 |
| 86 | 22 | 15,000 | 12,250 | 10,000 | 38,000 | 15,750 | 41.45 | 4,700 |
| 87 | 12 | 2,500 | 6,250 | 5,000 | 20,000 | 8,750 | 43.75 | 2,150 |
| 88 | 45 | 20,000 | 19,865 | 8,000 | 51,369 | 23,504 | 45.76 | 6,337 |
| 89 | 306 | 250,000 | 175,000 | 400,000 | 600,000 | 25,000 | 4.17 | 75,000 |
| 90 | 25 | 20,000 | 8,000 | 18,000 | 30,000 | 4,000 | 13.33 | 4,200 |
| 91 | 80 | 20,000 | 25,000 | 40,000 | 75,000 | 10,000 | 13.33 | 8,700 |
| 92 | 56 | 70,000 | 22,500 | 11,600 | 60,000 | 26,900 | 44.17 | 10,200 |
| 93 | 53 | 35,000 | 22,500 | 21,000 | 62,972 | 19,472 | 30.92 | 8,397 |
| 94 | 75 | 35,000 | 30,000 | 30,000 | 68,000 | 6,000 | 9.09 | 8,700 |
| 95 | 140 | 65,000 | 42,900 | 70,000 | 130,600 | 17,700 | 13.55 | 16,900 |
| 96 | 70 | 30,000 | 22,440 | 50,000 | 100,000 | 27,560 | 27.56 | 11,800 |
| 97 | 90 | 20,000 | 28,750 | 22,800 | 58,853 | 7,303 | 12.41 | 7,065 |
| 98 | 23 | 14,500 | 9,076 | 24,200 | 40,000 | 6,724 | 16.81 | 4,870 |
| 99 | 21 | 10,000 | 11,000 | 25,000 | 50,000 | 14,000 | 28.00 | 5,600 |
| 100 | 14 | 7,000 | 7,000 | 16,000 | 33,000 | 10,000 | 30.30 | 3,720 |
| 101 | 10 | 7,000 | 6,500 | 15,900 | 28,000 | 5,600 | 20.00 | 3,220 |
| 102 | 20 | 5,000 | 12,000 | 12,000 | 30,000 | 6,000 | 20.00 | 3,300 |
| 103 | 30 | 50,000 | 12,000 | 35,000 | 50,000 | 3,000 | 6.00 | 8,000 |
| 104 | 125 | 35,000 | 40,000 | 50,000 | 250,000 | 160,000 | 64.00 | 27,100 |
| 105 | 38 | 20,000 | 20,000 | 45,000 | 75,000 | 10,000 | 13.33 | 8,700 |
| 106 | 10 | 10,000 | 5,000 | 5,500 | 13,000 | 2,500 | 19.23 | 1,900 |
| 107 | 125 | 100,000 | 48,000 | 30,000 | 125,000 | 47,000 | 37.60 | 18,500 |
| 108 | 14 | 15,000 | 5,500 | 9,300 | 20,000 | 5,200 | 26.00 | 2,900 |
| 109 | 30 | 45,000 | 11,440 | 28,600 | 42,700 | 2,660 | 6.23 | 6,970 |
| 110 | 80 | 70,000 | 25,000 | 40,000 | 75,000 | 10,000 | 13.33 | 11,700 |
| 111 | 65 | 100,000 | 50,000 | 50,000 | 125,000 | 25,000 | 20.00 | 18,500 |
| 112 | 30 | 20,000 | 13,000 | 35,000 | 65,000 | 17,000 | 26.15 | 7,700 |
| 113 | 15 | 10,000 | 9,360 | 3,000 | 15,600 | 2,640 | 17.60 | 2,100 |
| 114 | 11 | 5,000 | 5,500 | 6,000 | 15,000 | 3,500 | 23.33 | 1,800 |
| 115 | 60 | 100,000 | 27,000 | 56,500 | 100,000 | 16,500 | 16.50 | 16,000 |
| 116 | 115 | 100,000 | 45,000 | 54,000 | 150,000 | 51,000 | 34.00 | 21,000 |
| 117 | 56 | 30,000 | 25,000 | 20,000 | 50,000 | 5,000 | 10.00 | 6,800 |
| 118 | 50 | 25,000 | 22,250 | 30,000 | 57,000 | 4,750 | 8.33 | 7,200 |

LEATHER.

| | | | | | | | | |
|---|-----|---------|---------|----------|----------|---------|-------|---------|
| 1 | 10 | \$5,000 | \$5,250 | \$18,000 | \$25,000 | \$1,750 | 7.00 | \$2,800 |
| 2 | 9 | 2,000 | 5,616 | 4,000 | 13,000 | 3,384 | 26.03 | 1,420 |
| 3 | 10 | 8,000 | 6,000 | 10,000 | 20,000 | 4,000 | 20.00 | 2,480 |
| 4 | 12 | 5,000 | 5,200 | 12,000 | 20,000 | 2,800 | 14.00 | 2,300 |
| 5 | 143 | 50,000 | 28,759 | 103,000 | 147,000 | 15,241 | 10.37 | 17,700 |
| 6 | 66 | 40,000 | 42,000 | 100,000 | 180,000 | 38,000 | 21.11 | 20,400 |
| 7 | 12 | 5,000 | 5,500 | 10,000 | 19,000 | 3,500 | 18.42 | 2,200 |

PROFITS AND EARNINGS.

Furniture—Continued.

| Percentage of stock used of value of product | Percentage of wages paid of value of product | Percentage of interest and expenses of value of product | Percentage of net profit or loss of value of product..... | Average yearly product per employe..... |
|--|--|---|---|---|
| 52.63 | 39.47 | 11.42 | -3.53 | \$1.1 |
| 51.79 | 35.71 | 11.07 | 1.43 | 1.1 |
| 51.51 | 37.50 | 11.35 | -1.35 | .9 |
| 51.81 | 26.38 | 11.14 | 6.67 | 1.5 |
| 42.94 | 41.81 | 11.13 | 4.72 | 1.4 |
| 43.46 | 41.54 | 10.11 | 9.88 | 1.4 |
| 43.56 | 46.06 | 11.88 | 4.56 | .6 |
| 43.53 | 16.67 | 11.00 | 29.00 | 2.7 |
| 43.53 | 42.67 | 11.24 | 7.57 | 1.4 |
| 43.53 | 43.80 | 11.33 | 18.67 | 1.0 |
| 43.53 | 93.70 | 10.92 | 17.09 | .9 |
| 43.53 | 64.76 | 12.98 | 7.02 | .5 |
| 43.53 | 33.33 | 11.20 | 8.80 | .7 |
| 43.53 | 30.00 | 13.00 | 3.00 | 1.3 |
| 9.38 | 36.25 | 15.63 | 38.75 | 1.3 |
| 41.67 | 20.83 | 12.50 | 25.00 | 2.1 |
| 50.00 | 17.50 | 11.50 | 21.00 | 2.6 |
| 31.88 | 45.17 | 11.41 | 11.55 | 1.2 |
| 26.93 | 43.33 | 10.80 | 20.53 | .9 |
| 26.93 | 32.24 | 12.37 | 29.08 | 1.7 |
| 26.93 | 31.25 | 10.75 | 33.00 | 1.6 |
| 26.93 | 38.67 | 12.34 | 33.42 | 1.1 |
| 26.93 | 29.17 | 12.50 | 8.33 | 1.5 |
| 26.93 | 26.67 | 14.00 | - .67 | 1.2 |
| 53.83 | 33.33 | 11.60 | 1.72 | .9 |
| 19.33 | 37.50 | 17.00 | 26.17 | 1.0 |
| 33.33 | 35.73 | 13.33 | 17.59 | 1.0 |
| 33.33 | 45.45 | 13.18 | -4.09 | .8 |
| 45.45 | 32.85 | 12.99 | .57 | .9 |
| 53.60 | 22.44 | 11.80 | 15.76 | 1.4 |
| 50.00 | 48.85 | 12.04 | .37 | .6 |
| 38.71 | 22.69 | 12.18 | 4.64 | 1.7 |
| 60.50 | 22.00 | 11.20 | 16.80 | 2.3 |
| 50.00 | 21.21 | 11.27 | 19.03 | 2.3 |
| 48.48 | 23.21 | 11.50 | 8.50 | 2.8 |
| 56.79 | 40.00 | 11.00 | 9.00 | 1.5 |
| 40.00 | 24.00 | 16.00 | -10.00 | 1.6 |
| 70.00 | 16.00 | 10.84 | 53.16 | 2.0 |
| 20.00 | 26.67 | 11.60 | 1.73 | 1.9 |
| 60.00 | 38.46 | 14.62 | 4.62 | 1.3 |
| 42.31 | 33.40 | 14.80 | 22.80 | 1.0 |
| 24.00 | 27.50 | 14.50 | 11.50 | 1.4 |
| 46.50 | 26.79 | 16.32 | -10.09 | 1.4 |
| 66.93 | 33.33 | 15.60 | -2.27 | .9 |
| 53.83 | 40.00 | 14.80 | 5.20 | 1.9 |
| 40.00 | 20.00 | 11.85 | 14.31 | 3.2 |
| 53.83 | 62.40 | 14.00 | 3.60 | 1.0 |
| 20.00 | 36.67 | 12.00 | 11.33 | 1.3 |
| 40.00 | 27.00 | 16.00 | .50 | 1.6 |
| 56.50 | 30.00 | 14.00 | 20.00 | 1.3 |
| 36.00 | 50.00 | 13.60 | -3.60 | .8 |
| 40.00 | 39.04 | 12.63 | -4.30 | 1.1 |

a. The loss is too small to be considered.

LEATHER.

| | | | | | |
|---------|-------|-------|-------|-------|-------|
| \$1.050 | 72.00 | 21.00 | 11.20 | -4.20 | \$2.5 |
| 1.964 | 30.77 | 43.20 | 10.92 | 15.11 | 1.4 |
| 1.520 | 50.00 | 30.00 | 12.40 | 7.60 | 2.0 |
| 500 | 60.00 | 26.00 | 11.50 | 2.50 | 1.6 |
| 2.459 | 70.07 | 19.56 | 12.04 | -1.67 | 1.0 |
| 17.600 | 55.56 | 23.33 | 11.33 | 9.78 | 2.7 |
| 1.300 | 52.63 | 28.95 | 11.58 | 6.84 | 1.5 |

Leather—Continued.

| Number of es- tablishment.. | Average num- ber of em- ployes..... | Capital invest- ed..... | Wages paid during the year..... | Stock used..... | Value of pro- duct..... | Gross profit or loss..... | Percentage of gross profit value of pro- duct..... | Estimated in- terest and ex- penses..... |
|--------------------------------|---|----------------------------|---------------------------------------|-----------------|----------------------------|------------------------------|---|--|
| 8 | 40 | \$15,000 | \$12,000 | \$35,000 | \$60,000 | \$13,000 | 21.67 | \$6,900 |
| 9 | 45 | 7,000 | 17,390 | 58,840 | 84,599 | 8,369 | 9.89 | 8,880 |
| 10 | 40 | 150,000 | 19,000 | 85,000 | 125,000 | 21,000 | 16.80 | 21,500 |
| 11 | 18 | 42,796 | 7,710 | 140,000 | 177,275 | 29,565 | 16.68 | 20,296 |
| 12 | 167 | 383,333 | 85,333 | 852,500 | 1,025,000 | 77,167 | 7.53 | 122,500 |
| 13 | 188 | 350,000 | 90,000 | 550,000 | 750,000 | 110,000 | 14.67 | 96,000 |
| 14 | 80 | 300,000 | 40,000 | 398,000 | 490,000 | 52,000 | 10.61 | 67,000 |
| 15 | 35 | 250,000 | 20,000 | 200,000 | 260,000 | 40,000 | 15.38 | 41,000 |
| 16 | 85 | 180,000 | 50,000 | 225,000 | 300,000 | 25,000 | 8.33 | 37,900 |
| 17 | 46 | 100,000 | 20,000 | 233,222 | 300,000 | 46,778 | 15.59 | 36,000 |
| 18 | 156 | 55,000 | 60,300 | 200,000 | 275,000 | 14,700 | 5.35 | 29,600 |
| 19 | 56 | 100,000 | 25,000 | 150,000 | 210,000 | 35,000 | 16.67 | 27,000 |
| 20 | 40 | 75,000 | 16,500 | 140,000 | 225,000 | 63,500 | 30.44 | 27,000 |
| 21 | 78 | 35,000 | 35,000 | 180,000 | 239,000 | 15,000 | 6.52 | 25,100 |
| 22 | 15 | 30,000 | 6,656 | 56,000 | 75,000 | 12,354 | 16.45 | 9,300 |
| 23 | 29 | 60,000 | 13,000 | 100,000 | 130,000 | 17,000 | 13.08 | 16,600 |
| 24 | 34 | 25,000 | 18,000 | 105,000 | 148,000 | 25,000 | 16.89 | 16,300 |
| 25 | 13 | 10,000 | 7,000 | 120,000 | 140,000 | 13,000 | 9.29 | 14,600 |
| 26 | 15 | 26,456 | 6,556 | 48,000 | 60,000 | 5,354 | 8.89 | 7,600 |
| 27 | 20 | 26,686 | 9,333 | 50,000 | 63,000 | 3,667 | 5.82 | 7,900 |
| 28 | 35 | 25,000 | 20,000 | 123,100 | 155,500 | 12,400 | 7.87 | 17,050 |
| 29 | 83 | 166,667 | 47,667 | 1,650,666 | 1,200,000 | 101,667 | 8.47 | 130,000 |
| 30 | 75 | 160,000 | 51,000 | 282,000 | 360,000 | 27,000 | 7.50 | 45,600 |
| 31 | 23 | 50,000 | 10,000 | 46,000 | 80,000 | 24,000 | 30.00 | 11,000 |
| 32 | 11 | 52,000 | 5,000 | 100,000 | 150,000 | 45,000 | 30.00 | 18,120 |
| 33 | 15 | 18,000 | 5,000 | 42,500 | 50,000 | 2,500 | 5.00 | 6,000 |
| 34 | 35 | 50,000 | 15,000 | 120,000 | 138,500 | 3,500 | 2.53 | 16,850 |
| 35 | 15 | 10,000 | 6,700 | 12,000 | 40,000 | 21,300 | 53.25 | 4,600 |
| 36 | 30 | 18,000 | 14,500 | 38,200 | 77,000 | 24,300 | 31.56 | 8,780 |
| 37 | 18 | 53,333 | 10,108 | 53,320 | 80,520 | 17,092 | 21.21 | 11,252 |
| 38 | 10 | 25,667 | 5,617 | 81,864 | 96,000 | 8,519 | 8.87 | 11,200 |
| 39 | 25 | 75,000 | 10,800 | 39,200 | 60,000 | 10,000 | 16.67 | 10,500 |

LUMBER.

| | | | | | | | | |
|----|-----|----------|----------|----------|----------|----------|-------|---------|
| 1 | 45 | \$10,000 | \$10,000 | \$25,000 | \$35,000 | \$50,000 | 58.82 | \$9,100 |
| 2 | 38 | 20,000 | 15,000 | 25,000 | 60,000 | 20,000 | 33.33 | 7,200 |
| 3 | 27 | 20,000 | 8,000 | 14,000 | 28,000 | 6,000 | 21.43 | 4,000 |
| 4 | 20 | 12,000 | 6,000 | 5,000 | 14,000 | 3,000 | 21.43 | 2,120 |
| 5 | 75 | 75,000 | 20,000 | 98,000 | 152,600 | 31,600 | 22.67 | 19,760 |
| 6 | 30 | 50,000 | 10,000 | 21,000 | 35,000 | 4,000 | 11.43 | 6,500 |
| 7 | 30 | 2,000 | 5,000 | 12,500 | 20,000 | 2,500 | 12.50 | 2,120 |
| 8 | 25 | 20,000 | 10,000 | 15,500 | 32,000 | 6,500 | 20.31 | 4,400 |
| 9 | 25 | 25,000 | 12,550 | 61,400 | 83,100 | 9,150 | 11.01 | 9,810 |
| 10 | 100 | 50,000 | 39,000 | 90,000 | 150,000 | 21,000 | 14.00 | 18,000 |
| 11 | 25 | 20,000 | 12,187 | 30,000 | 50,000 | 7,813 | 15.63 | 6,200 |
| 12 | 75 | 30,000 | 25,000 | 645,000 | 685,000 | 15,000 | 2.20 | 70,300 |
| 13 | 55 | 70,282 | 17,180 | 425,000 | 510,000 | 67,820 | 13.30 | 55,217 |
| 14 | 42 | 20,000 | 17,000 | 475,000 | 580,000 | 88,000 | 15.17 | 59,200 |
| 15 | 23 | 8,000 | 10,000 | 120,000 | 145,000 | 15,000 | 10.34 | 14,980 |
| 16 | 20 | 25,000 | 8,000 | 10,000 | 22,000 | 4,000 | 18.19 | 3,700 |
| 17 | 14 | 3,000 | 5,632 | 5,100 | 13,352 | 2,600 | 19.50 | 1,513 |
| 18 | 40 | 64,188 | 12,174 | 32,188 | 50,780 | 6,418 | 12.64 | 8,922 |
| 19 | 24 | 1,000 | 5,000 | 31,400 | 40,000 | 3,600 | 9.00 | 4,050 |
| 20 | 20 | 8,000 | 5,000 | 17,500 | 30,600 | 8,100 | 26.47 | 3,540 |
| 21 | 37 | 70,000 | 18,000 | 103,000 | 151,000 | 30,000 | 19.22 | 19,300 |
| 22 | 10 | 22,000 | 6,570 | 8,774 | 23,325 | 7,984 | 34.22 | 3,653 |
| 23 | 23 | 55,000 | 8,000 | 30,000 | 40,750 | 2,750 | 6.75 | 7,375 |
| 24 | 50 | 10,000 | 8,000 | 12,600 | 26,000 | 5,400 | 20.77 | 3,200 |
| 25 | 60 | 40,000 | 20,000 | 55,000 | 90,000 | 15,000 | 16.67 | 11,400 |

PROFITS AND EARNINGS.

Leather—Continued.

| Net profit or loss..... | Percentage of stock used of value of product..... | Percentage of wages paid of value of product..... | Percentage of interest and expenses of value of product..... | Percentage of net profit or loss of value of product.... | Average yearly product per employe..... | Loss per employe..... |
|-------------------------|---|---|--|--|---|-----------------------|
| \$6,100 | 58.83 | 20.00 | 11.50 | 10.17 | \$1,500 | |
| -511 | 59.55 | 20.56 | 10.50 | 1.61 | 1,880 | |
| -500 | 58.00 | 15.20 | 17.20 | — | 3,125 | |
| 9,269 | 78.97 | 4.85 | 11.45 | 5.23 | 9,849 | |
| -45,353 | 83.17 | 5.30 | 11.95 | 4.42 | 6,188 | |
| 14,000 | 73.33 | 12.00 | 12.80 | 1.87 | 3,989 | |
| -15,000 | 81.22 | 8.16 | 13.67 | 3.06 | 6,125 | |
| -1,000 | 76.92 | 7.69 | 15.77 | — | 2,429 | |
| -12,800 | 75.00 | 16.67 | 16.60 | 4.27 | 3,529 | |
| 10,778 | 77.74 | 6.67 | 12.00 | 3.59 | 6,522 | |
| -14,900 | 72.73 | 21.93 | 10.76 | 5.42 | 1,768 | |
| 8,000 | 71.43 | 11.90 | 12.86 | 3.81 | 3,750 | |
| 41,500 | 62.22 | 7.33 | 12.00 | 18.44 | 5,625 | |
| -10,100 | 78.26 | 15.22 | 10.91 | 4.39 | 2,949 | |
| 3,034 | 74.67 | 8.89 | 12.40 | 4.05 | 5,000 | |
| 400 | 76.92 | 10.00 | 12.77 | 3.31 | 4,483 | |
| 8,700 | 70.95 | 12.16 | 11.01 | 5.88 | 4,353 | |
| -1,600 | 85.71 | 5.00 | 10.43 | 1.14 | 10,703 | |
| -2,266 | 80.00 | 11.11 | 12.67 | 3.78 | 4,000 | |
| -4,233 | 79.37 | 14.81 | 12.54 | 6.72 | 3,150 | |
| -4,650 | 79.16 | 12.86 | 10.96 | 3.99 | 4,443 | |
| -28,333 | 77.56 | 3.97 | 10.83 | 2.36 | 14,458 | |
| -18,600 | 78.33 | 14.17 | 12.67 | 5.17 | 4,800 | |
| 13,000 | 57.50 | 12.50 | 13.75 | 16.25 | 3,478 | |
| 26,880 | 66.67 | 3.33 | 12.00 | 17.92 | 13,636 | |
| -3,580 | 85.00 | 10.00 | 12.16 | 7.16 | 3,333 | |
| -13,350 | 86.64 | 10.83 | 12.17 | 9.64 | 3,957 | |
| 16,700 | 30.00 | 16.75 | 11.50 | 41.75 | 2,667 | |
| 15,520 | 49.61 | 18.83 | 11.40 | 20.16 | 2,567 | |
| 5,840 | 66.22 | 12.55 | 13.97 | 7.25 | 4,475 | |
| -2,681 | 85.28 | 5.85 | 11.67 | 2.79 | 9,600 | |
| -500 | 65.33 | 18.00 | 17.50 | — | 2,400 | |

LUMBER.

| | | | | | |
|----------|-------|-------|-------|-------|---------|
| \$40,900 | 29.41 | 11.76 | 10.71 | 48.12 | \$1,889 |
| 12,800 | 41.67 | 25.00 | 12.00 | 21.33 | 1,579 |
| 2,000 | 50.00 | 28.57 | 14.29 | 7.14 | 1,037 |
| 880 | 35.71 | 42.86 | 15.14 | 6.29 | 700 |
| 14,840 | 64.22 | 13.11 | 12.95 | 9.72 | 2,035 |
| -2,500 | 60.00 | 28.57 | 18.57 | 7.14 | 1,167 |
| 390 | 62.50 | 25.00 | 10.60 | 1.90 | 667 |
| 2,100 | 48.44 | 31.22 | 13.75 | 6.57 | 1,280 |
| -660 | 73.89 | 15.11 | 11.81 | 7.9 | 3,324 |
| 3,000 | 60.00 | 26.00 | 12.00 | 2.00 | 1,500 |
| 1,613 | 60.00 | 24.37 | 12.40 | 3.23 | 2,000 |
| -55,300 | 94.16 | 3.65 | 10.26 | 8.07 | 9,133 |
| 12,603 | 83.33 | 3.37 | 10.83 | 2.47 | 9,273 |
| 28,800 | 81.90 | 2.93 | 10.21 | 4.97 | 13,810 |
| 20 | 82.76 | 6.90 | 10.33 | .01 | 6,304 |
| 300 | 45.45 | 36.36 | 16.82 | 1.36 | 1,100 |
| 1,087 | 38.25 | 42.24 | 11.35 | 8.15 | 952 |
| -2,511 | 63.39 | 23.97 | 17.58 | 4.94 | 1,270 |
| 460 | 78.50 | 12.50 | 10.15 | 1.15 | 1,667 |
| 4,560 | 57.19 | 16.34 | 11.57 | 14.90 | 1,530 |
| 10,700 | 68.21 | 11.92 | 12.78 | 7.09 | 4,081 |
| 4,331 | 37.61 | 28.16 | 15.66 | 18.57 | 2,333 |
| -4,625 | 73.62 | 19.63 | 18.10 | 11.35 | 1,772 |
| 2,200 | 48.40 | 30.77 | 12.31 | 8.46 | 520 |
| 3,600 | 61.11 | 22.22 | 12.67 | 4.00 | 1,500 |

Lumber—Continued.

| Number of es- tablishment.. | Average num- ber of em- ployes..... | Capital invest- ed..... | Wages paid during the year..... | Stock used.... | Value of pro- duct..... | Gross profit or loss..... | Percentage of gross profit of value of pro- duct..... | Estimated in- terest and ex- penses..... |
|--------------------------------|---|----------------------------|---------------------------------------|----------------|----------------------------|------------------------------|--|--|
| 26 | 100 | \$30,000 | \$12,000 | \$37,500 | \$50,000 | \$10,500 | 17.50 | \$7,900 |
| 27 | 43 | 60,000 | 20,115 | 35,000 | 75,000 | 19,885 | 26.51 | 11,100 |
| 28 | 18 | 25,000 | 10,000 | 12,000 | 25,000 | 3,000 | 12.00 | 4,000 |
| 29 | 41 | 5,000 | 6,000 | 30,000 | 40,000 | 4,000 | 10.00 | 4,300 |
| 30 | 20 | 15,000 | 5,000 | 16,000 | 24,000 | 3,000 | 12.50 | 3,300 |
| 31 | 82 | 200,000 | 12,000 | 26,000 | 55,000 | 17,000 | 30.91 | 17,500 |
| 32 | 11 | 15,000 | 5,500 | 10,000 | 20,000 | 4,500 | 22.50 | 2,900 |
| 33 | 40 | 3,000 | 6,000 | 15,000 | 25,000 | 4,000 | 16.00 | 4,600 |
| 34 | 25 | 1,500 | 8,000 | 50,000 | 62,000 | 4,000 | 6.45 | 9,200 |
| 35 | 15 | 10,000 | 9,000 | 20,000 | 35,000 | 6,000 | 17.14 | 4,100 |
| 36 | 55 | 99,000 | 18,000 | 75,000 | 125,000 | 32,000 | 25.60 | 18,440 |
| 37 | 12 | 3,000 | 5,000 | 13,300 | 20,000 | 1,700 | 8.50 | 2,180 |
| 38 | 60 | 300,000 | 21,000 | 191,500 | 230,000 | 17,100 | 7.57 | 41,000 |
| 39 | 40 | 100,000 | 12,885 | 118,500 | 166,000 | 34,615 | 20.85 | 22,600 |
| 40 | 115 | 475,000 | 45,000 | 315,000 | 475,000 | 115,000 | 24.22 | 76,000 |
| 41 | 65 | 200,000 | 21,000 | 184,000 | 245,000 | 40,000 | 16.33 | 36,500 |
| 42 | 17 | 10,000 | 5,000 | 50,000 | 60,000 | 5,000 | 8.33 | 6,600 |
| 43 | 32 | 18,000 | 5,000 | 15,500 | 27,000 | 6,500 | 24.08 | 3,780 |
| 44 | 40 | 10,000 | 7,500 | 23,700 | 38,000 | 4,800 | 13.33 | 4,200 |
| 45 | 25 | 10,000 | 7,800 | 9,000 | 21,650 | 4,850 | 22.40 | 2,765 |
| 46 | 30 | 16,000 | 5,250 | 27,000 | 40,000 | 7,750 | 19.38 | 4,960 |

MACHINES AND MACHINERY.

| | | | | | | | | |
|----|-----|----------|----------|----------|----------|---------|-------|---------|
| 1 | 60 | \$40,000 | \$34,840 | \$30,000 | \$72,000 | \$7,160 | 9.94 | \$9,600 |
| 2 | 38 | 35,000 | 20,000 | 12,000 | 40,000 | 8,000 | 20.00 | 6,100 |
| 3 | 172 | 210,000 | 110,000 | 460,000 | 600,000 | 30,000 | 5.00 | 72,600 |
| 4 | 205 | 100,000 | 90,000 | 165,000 | 300,000 | 45,000 | 15.00 | 36,000 |
| 5 | 45 | 55,000 | 15,000 | 75,000 | 100,000 | 10,000 | 10.00 | 12,100 |
| 6 | 84 | 20,000 | 39,000 | 20,000 | 75,000 | 16,000 | 21.33 | 8,700 |
| 7 | 30 | 5,000 | 16,800 | 35,000 | 60,000 | 8,200 | 13.67 | 6,300 |
| 8 | 30 | 5,000 | 14,000 | 30,000 | 60,000 | 16,000 | 26.67 | 6,300 |
| 9 | 20 | 5,000 | 9,500 | 30,000 | 50,000 | 10,500 | 21.00 | 5,300 |
| 10 | 15 | 700 | 6,000 | 600 | 8,400 | 1,800 | 21.43 | 822 |
| 11 | 45 | 15,000 | 25,000 | 50,000 | 79,000 | 4,000 | 5.06 | 8,800 |
| 12 | 50 | 10,000 | 15,600 | 50,000 | 75,000 | 9,400 | 12.53 | 8,100 |
| 13 | 24 | 22,000 | 12,000 | 50,000 | 72,000 | 10,000 | 13.89 | 8,520 |
| 14 | 15 | 12,000 | 7,200 | 8,400 | 25,673 | 10,073 | 39.24 | 3,287 |
| 15 | 75 | 363,000 | 25,000 | 50,000 | 100,000 | 25,000 | 25.00 | 32,080 |
| 16 | 70 | 105,000 | 30,000 | 175,000 | 240,000 | 29,000 | 12.08 | 30,300 |
| 17 | 40 | 55,000 | 23,000 | 27,000 | 65,000 | 15,000 | 23.08 | 9,800 |
| 18 | 9 | 8,000 | 6,500 | 3,000 | 15,000 | 5,500 | 36.67 | 1,380 |
| 19 | 9 | 5,000 | 5,304 | 3,600 | 13,310 | 4,406 | 33.10 | 1,631 |
| 20 | 165 | 100,000 | 95,000 | 250,000 | 500,000 | 155,000 | 31.00 | 56,000 |
| 21 | 45 | 40,000 | 37,460 | 55,000 | 125,000 | 32,540 | 26.03 | 14,900 |
| 22 | 15 | 25,000 | 7,000 | 35,000 | 75,000 | 33,000 | 44.00 | 9,000 |
| 23 | 30 | 60,000 | 19,500 | 20,000 | 65,000 | 25,500 | 39.23 | 10,100 |
| 24 | 55 | 25,000 | 24,000 | 16,000 | 45,000 | 5,000 | 11.11 | 6,000 |
| 25 | 40 | 25,000 | 20,000 | 10,000 | 40,000 | 10,000 | 25.00 | 5,500 |
| 26 | 16 | 20,000 | 7,500 | 12,000 | 36,000 | 16,500 | 45.83 | 4,800 |
| 27 | 23 | 6,000 | 10,787 | 12,625 | 31,868 | 8,455 | 26.53 | 3,547 |
| 28 | 15 | 9,000 | 7,325 | 15,830 | 29,244 | 6,089 | 20.82 | 3,464 |
| 29 | 12 | 10,000 | 6,800 | 7,000 | 24,000 | 10,200 | 42.50 | 3,000 |
| 30 | 16 | 5,000 | 8,964 | 4,800 | 20,000 | 6,236 | 31.18 | 2,300 |
| 31 | 8 | 3,000 | 5,000 | 1,500 | 12,000 | 5,500 | 45.83 | 1,380 |
| 32 | 8 | 3,500 | 5,500 | 2,000 | 9,500 | 2,000 | 21.05 | 1,160 |
| 33 | 12 | 5,000 | 7,200 | 25,000 | 35,000 | 2,800 | 8.00 | 3,800 |
| 34 | 20 | 20,000 | 12,000 | 30,000 | 50,000 | 8,000 | 16.00 | 6,200 |
| 35 | 25 | 35,000 | 14,250 | 20,340 | 55,000 | 20,410 | 37.11 | 7,600 |

Lumber—Continued.

| Net profit or loss..... | Percentage of stock used of value of product..... | Percentage of wages paid of value of product..... | Percentage of interest and expenses of value of product..... | Percentage of net profit or loss of value of product.... | Average yearly product per employe | Average yearly net profit or loss per employe..... | Average yearly earnings of each employe | Number of establishments... |
|-------------------------|---|---|--|--|--|--|---|-----------------------------|
| \$2,700 | 62.50 | 20.00 | 13.00 | 4.50 | \$600 | \$27 | \$120 | 26 |
| 8,785 | 46.67 | 26.82 | 14.80 | 11.71 | 1,744 | 204 | 468 | 27 |
| -1,000 | 48.00 | 40.00 | 16.00 | -1.00 | 1,389 | -56 | 556 | 28 |
| -300 | 75.00 | 15.00 | 10.75 | -1.75 | 976 | -7 | 146 | 29 |
| -300 | 66.67 | 20.83 | 13.75 | -1.25 | 1,200 | -15 | 250 | 30 |
| -500 | 47.27 | 21.82 | 31.81 | -.91 | 1,719 | -16 | 375 | 31 |
| 1,600 | 50.00 | 27.50 | 14.50 | 8.00 | 1,818 | 145 | 500 | 32 |
| 1,320 | 60.00 | 24.00 | 10.72 | 5.28 | 2,480 | 33 | 150 | 33 |
| -2,290 | 80.65 | 12.90 | 10.15 | -3.69 | 2,480 | -92 | 320 | 34 |
| 1,900 | 57.14 | 25.71 | 11.71 | 5.43 | 2,333 | 127 | 600 | 35 |
| 13,560 | 69.00 | 14.40 | 14.75 | 10.85 | 2,272 | 247 | 327 | 36 |
| -480 | 66.50 | 25.00 | 10.90 | -2.40 | 1,667 | -40 | 417 | 37 |
| -23,590 | 83.30 | 9.13 | 17.83 | -10.26 | 3,833 | -393 | 350 | 38 |
| 12,015 | 71.39 | 7.76 | 13.61 | 7.24 | 4,150 | 300 | 322 | 39 |
| 39,000 | 66.32 | 9.47 | 16.00 | 8.21 | 4,139 | 339 | 391 | 40 |
| 3,500 | 75.10 | 8.57 | 14.90 | 1.43 | 3,769 | 54 | 323 | 41 |
| -1,600 | 83.33 | 8.33 | 11.00 | -2.67 | 3,529 | -94 | 294 | 42 |
| 2,720 | 57.41 | 18.52 | 14.00 | 10.07 | 844 | 85 | 156 | 43 |
| 600 | 65.83 | 20.83 | 11.67 | 1.67 | 900 | 15 | 188 | 44 |
| 2,685 | 41.57 | 36.03 | 12.77 | 9.63 | 866 | 83 | 312 | 45 |
| 2,790 | 67.50 | 13.13 | 12.40 | 6.98 | 1,333 | 93 | 175 | 46 |

MACHINES AND MACHINERY.

| | | | | | | | | |
|---------|-------|-------|-------|-------|---------|-------|-------|----|
| -82,440 | 41.67 | 48.39 | 13.33 | -3.39 | \$1,200 | -\$41 | \$581 | 1 |
| 1,900 | 30.00 | 50.00 | 15.25 | 4.75 | 1,053 | 50 | 526 | 2 |
| -42,600 | 76.67 | 18.33 | 12.10 | -7.10 | 3,488 | -248 | 640 | 3 |
| 9,000 | 55.00 | 30.00 | 12.00 | 3.00 | 1,463 | 44 | 439 | 4 |
| -2,100 | 75.00 | 15.00 | 12.10 | -2.10 | 2,222 | -47 | 333 | 5 |
| 7,900 | 26.67 | 52.00 | 11.60 | 9.73 | 893 | 87 | 464 | 6 |
| 1,900 | 58.33 | 28.00 | 10.50 | 3.17 | 2,000 | 63 | 560 | 7 |
| 9,700 | 50.00 | 23.33 | 10.50 | 16.17 | 2,000 | 323 | 467 | 8 |
| 5,200 | 60.00 | 19.00 | 10.60 | 10.40 | 2,500 | 260 | 475 | 9 |
| 918 | 7.14 | 71.43 | 10.50 | 10.93 | 560 | 61 | 400 | 10 |
| -4,800 | 63.29 | 31.65 | 11.14 | -6.08 | 1,756 | -107 | 556 | 11 |
| 1,300 | 66.67 | 20.80 | 10.80 | 1.73 | 1,500 | 26 | 312 | 12 |
| 1,480 | 69.44 | 16.67 | 11.83 | 2.06 | 3,000 | 62 | 500 | 13 |
| 6,786 | 32.72 | 28.05 | 12.80 | 26.43 | 1,712 | 452 | 480 | 14 |
| -7,080 | 50.00 | 25.00 | 32.08 | -7.08 | 1,333 | -94 | 333 | 15 |
| -1,300 | 72.92 | 15.00 | 12.63 | -.54 | 3,429 | -19 | 514 | 16 |
| 5,200 | 41.54 | 36.38 | 15.08 | 8.00 | 1,625 | 130 | 575 | 17 |
| 3,520 | 20.00 | 43.33 | 13.20 | 23.47 | 1,500 | 352 | 650 | 18 |
| 2,775 | 27.05 | 39.85 | 12.25 | 20.85 | 1,479 | 308 | 589 | 19 |
| 99,000 | 50.00 | 19.00 | 11.20 | 19.80 | 3,030 | 600 | 576 | 20 |
| 17,640 | 44.00 | 29.97 | 11.92 | 14.11 | 2,778 | 392 | 832 | 21 |
| 24,000 | 46.67 | 9.33 | 12.00 | 32.00 | 5,000 | 1,600 | 467 | 22 |
| 15,400 | 30.77 | 30.00 | 15.54 | 23.69 | 2,167 | 513 | 650 | 23 |
| -1,000 | 35.56 | 53.33 | 13.33 | -2.22 | 818 | -18 | 436 | 24 |
| 4,500 | 25.00 | 50.00 | 13.75 | 11.25 | 1,000 | 113 | 500 | 25 |
| 1,700 | 33.33 | 20.83 | 13.33 | 4.72 | 2,250 | 196 | 469 | 26 |
| 4,908 | 39.65 | 33.85 | 11.13 | 15.40 | 1,386 | 213 | 469 | 27 |
| 2,625 | 54.13 | 25.05 | 11.85 | 8.98 | 1,919 | 175 | 488 | 28 |
| 7,200 | 29.17 | 28.33 | 12.50 | 30.00 | 2,000 | 600 | 567 | 29 |
| 3,936 | 24.00 | 44.82 | 11.50 | 19.68 | 1,250 | 246 | 560 | 30 |
| 4,120 | 12.50 | 41.67 | 11.50 | 34.33 | 1,500 | 515 | 625 | 31 |
| 840 | 21.05 | 57.89 | 12.21 | 8.84 | 1,188 | 105 | 688 | 32 |
| -1,000 | 71.43 | 20.57 | 10.86 | -2.86 | 2,917 | -83 | 600 | 33 |
| 1,800 | 60.00 | 24.00 | 12.40 | 3.60 | 2,500 | 90 | 600 | 34 |
| 12,810 | 36.98 | 25.91 | 13.82 | 23.29 | 2,200 | 512 | 570 | 35 |

Machines and Machinery—Continued.

| Number of es- tablishment.. | Average num- ber of em- ployees..... | Capital invest- ed..... | Wages paid during the year..... | Stock used.... | Value of pro- duct..... | Gross profit or loss..... | Percentage of gross profit of value of pro- duct..... | Estimated in- terest and ex- penses..... |
|--------------------------------|--|----------------------------|---------------------------------------|----------------|----------------------------|------------------------------|--|--|
| 36 | 12 | \$9,000 | \$5,741 | \$24,241 | \$37,122 | \$7,140 | 19.23 | \$4,252 |
| 37 | 20 | 30,000 | 11,200 | 9,000 | 30,000 | 9,800 | 32.67 | 4,800 |
| 38 | 29 | 30,000 | 15,552 | 50,000 | 80,000 | 14,448 | 18.06 | 9,800 |
| 39 | 20 | 10,800 | 9,600 | 7,000 | 29,000 | 12,400 | 42.76 | 3,548 |
| 40 | 25 | 20,000 | 10,000 | 11,000 | 25,000 | 4,000 | 16.00 | 3,700 |
| 41 | 82 | 75,000 | 36,000 | 50,000 | 144,000 | 28,000 | 19.44 | 18,900 |
| 42 | 15 | 8,000 | 10,000 | 20,000 | 43,000 | 13,000 | 30.23 | 4,780 |
| 43 | 67 | 70,000 | 45,000 | 45,000 | 145,000 | 55,000 | 37.93 | 18,700 |
| 44 | 55 | 100,000 | 37,000 | 30,000 | 120,000 | 53,000 | 44.17 | 18,000 |
| 45 | 15 | 16,000 | 10,000 | 9,000 | 24,000 | 5,000 | 20.83 | 3,360 |
| 46 | 20 | 12,000 | 7,500 | 8,557 | 20,579 | 4,522 | 21.97 | 2,778 |
| 47 | 12 | 6,500 | 5,605 | 4,750 | 11,829 | 1,034 | 9.08 | 1,529 |
| 48 | 12 | 10,000 | 10,000 | 12,000 | 35,000 | 13,000 | 37.14 | 4,100 |
| 49 | 20 | 10,000 | 15,000 | 10,000 | 28,750 | 3,750 | 13.04 | 3,475 |
| 50 | 370 | 250,000 | 156,307 | 593,926 | 829,682 | 79,449 | 9.58 | 97,968 |
| 51 | 40 | 350,000 | 35,000 | 45,000 | 100,000 | 20,000 | 20.00 | 31,000 |
| 52 | 75 | 20,000 | 47,500 | 30,000 | 90,000 | 12,500 | 13.89 | 10,200 |
| 53 | 8 | 5,000 | 5,000 | 5,000 | 13,000 | 3,000 | 23.07 | 1,600 |
| 54 | 55 | 18,000 | 18,214 | 76,000 | 117,000 | 22,786 | 19.48 | 12,780 |
| 55 | 40 | 12,000 | 14,431 | 20,000 | 40,000 | 5,569 | 13.92 | 4,720 |
| 56 | 16 | 28,000 | 8,000 | 13,300 | 35,000 | 13,700 | 39.14 | 5,180 |
| 57 | 25 | 40,000 | 13,000 | 10,000 | 28,000 | 5,000 | 17.86 | 5,200 |
| 58 | 25 | 50,000 | 9,300 | 40,000 | 65,000 | 15,700 | 24.15 | 9,500 |
| 59 | 300 | 1,000,000 | 200,000 | 200,000 | 1,000,000 | 600,000 | 60.00 | 160,000 |
| 60 | 125 | 75,000 | 67,000 | 40,784 | 109,498 | 1,714 | 1.57 | 15,450 |
| 61 | 15 | 10,000 | 7,500 | 3,000 | 15,000 | 4,500 | 30.00 | 2,100 |
| 62 | 20 | 20,000 | 7,000 | 12,000 | 20,000 | 1,000 | 5.00 | 3,200 |
| 63 | 80 | 50,000 | 33,000 | 40,000 | 96,000 | 23,000 | 23.96 | 12,600 |
| 64 | 21 | 20,000 | 6,440 | 8,000 | 25,000 | 8,560 | 37.22 | 3,500 |
| 65 | 72 | 60,000 | 25,428 | 38,848 | 102,924 | 38,648 | 37.55 | 13,892 |
| 66 | 30 | 125,000 | 15,700 | 15,534 | 49,000 | 17,766 | 36.26 | 12,400 |
| 67 | 80 | 80,000 | 52,000 | 120,000 | 195,000 | 23,000 | 11.79 | 24,300 |
| 68 | 42 | 80,000 | 12,000 | 24,000 | 50,000 | 14,000 | 28.00 | 9,800 |
| 69 | 13 | 30,000 | 6,000 | 16,000 | 25,000 | 3,000 | 12.00 | 4,300 |
| 70 | 10 | 4,500 | 5,490 | 14,100 | 20,300 | 710 | 3.50 | 2,300 |
| 71 | 55 | 75,000 | 25,000 | 30,000 | 75,000 | 20,000 | 26.67 | 12,000 |
| 72 | 20 | 40,000 | 5,000 | 80,000 | 100,000 | 15,000 | 15.00 | 12,400 |
| 73 | 30 | 5,000 | 10,400 | 25,600 | 60,000 | 24,000 | 40.00 | 6,300 |
| 74 | 21 | 9,000 | 9,390 | 25,000 | 42,000 | 7,610 | 18.12 | 4,740 |
| 75 | 26 | 10,000 | 9,600 | 25,000 | 46,000 | 11,400 | 24.78 | 5,200 |
| 76 | 38 | 75,000 | 13,216 | 38,927 | 61,565 | 9,422 | 15.30 | 10,657 |
| 77 | 15 | 1,000 | 8,586 | 18,650 | 30,736 | 3,500 | 11.39 | 3,134 |
| 78 | 12 | 15,000 | 7,005 | 10,197 | 35,366 | 18,164 | 51.36 | 4,437 |
| 79 | 10 | 24,000 | 5,500 | 13,500 | 26,600 | 7,600 | 28.57 | 4,100 |
| 80 | 27 | 35,000 | 16,000 | 25,000 | 53,000 | 12,000 | 22.64 | 7,400 |
| 81 | 9 | 2,000 | 5,400 | 3,000 | 10,000 | 1,600 | 16.00 | 1,120 |
| 82 | 11 | 8,000 | 6,500 | 4,000 | 20,000 | 9,500 | 47.50 | 2,450 |
| 83 | 15 | 1,000 | 6,500 | 4,000 | 16,000 | 5,500 | 34.38 | 1,660 |
| 84 | 10 | 7,000 | 7,500 | 6,000 | 14,000 | 500 | 3.57 | 1,820 |
| 85 | 6 | 30,000 | 5,477 | 4,000 | 16,000 | 6,523 | 40.77 | 3,400 |
| 86 | 15 | 15,000 | 6,500 | 2,000 | 13,000 | 4,500 | 34.62 | 2,200 |
| 87 | 28 | 9,000 | 8,400 | 3,000 | 12,000 | 600 | 5.00 | 1,740 |

PROFITS AND EARNINGS.

Machines and Machinery—Continued

| Net Profit or Loss | Percentage of stock used of value of pro. | Percentage of wages paid of value of pro. | Percentage of interest and expenses of value of pro. | Percentage of net profit or loss of value of product. | Average yearly product per employe. |
|--------------------|---|---|--|---|-------------------------------------|
| 888 | 65.90 | 15.47 | 11.45 | 7.78 | \$3,094 |
| 000 | 30.00 | 37.33 | 16.00 | 16.67 | 1,500 |
| 848 | 62.50 | 19.44 | 12.25 | 5.81 | 2,759 |
| 852 | 24.14 | 33.10 | 12.23 | 30.52 | 1,450 |
| 300 | 44.00 | 40.00 | 14.80 | 1.20 | 1,000 |
| 100 | 55.56 | 25.00 | 13.13 | 6.32 | 1,756 |
| 220 | 46.51 | 23.26 | 11.12 | 19.12 | 2,867 |
| 300 | 31.03 | 31.03 | 12.90 | 25.03 | 2,164 |
| 000 | 25.00 | 30.83 | 15.00 | 29.17 | 2,182 |
| 1,640 | 37.50 | 41.67 | 14.00 | 6.83 | 1,600 |
| 1,744 | 41.58 | 36.44 | 13.50 | 8.47 | 1,029 |
| 495 | 41.71 | 49.21 | 13.43 | 4.35 | 949 |
| 8,900 | 34.29 | 28.57 | 11.71 | 25.43 | 2,917 |
| 275 | 34.73 | 52.17 | 12.09 | .96 | 1,438 |
| -18,519 | 71.58 | 18.84 | 11.81 | -2.23 | 2,242 |
| -11,000 | 45.00 | 35.00 | 31.00 | -11.00 | 2,500 |
| 2,300 | 33.33 | 52.78 | 11.33 | 2.56 | 1,200 |
| 1,400 | 38.46 | 38.46 | 12.31 | 10.77 | 1,625 |
| 10,006 | 64.96 | 15.57 | 10.92 | 8.55 | 2,127 |
| 849 | 50.00 | 36.08 | 11.86 | 2.12 | 1,000 |
| 8,520 | 38.00 | 22.86 | 14.80 | 24.34 | 2,187 |
| -200 | 35.71 | 46.43 | 18.57 | -.71 | 1,120 |
| 6,200 | 61.54 | 14.31 | 14.62 | 9.54 | 2,600 |
| 440,000 | 20.00 | 20.00 | 16.00 | 44.00 | 3,333 |
| -13,736 | 37.25 | 61.19 | 14.11 | -12.54 | 876 |
| 2,400 | 20.00 | 50.00 | 14.00 | 15.00 | 1,000 |
| -2,200 | 60.00 | 35.00 | 16.00 | -11.00 | 1,000 |
| 10,400 | 41.67 | 34.38 | 13.15 | 10.83 | 1,200 |
| 5,060 | 34.73 | 28.00 | 15.22 | 22.00 | 1,095 |
| 24,756 | 37.74 | 24.70 | 13.50 | 24.05 | 1,430 |
| 5,366 | 31.70 | 32.04 | 25.31 | 10.96 | 1,633 |
| -1,300 | 61.54 | 26.67 | 12.46 | -.67 | 2,438 |
| 4,200 | 48.00 | 24.00 | 19.60 | 8.40 | 1,190 |
| -1,300 | 64.00 | 24.00 | 17.20 | -5.20 | 1,923 |
| -1,590 | 69.46 | 27.04 | 11.33 | -7.83 | 2,030 |
| 8,000 | 40.00 | 33.33 | 16.00 | 10.67 | 1,364 |
| 2,600 | 80.00 | 5.00 | 12.40 | 2.60 | 5,000 |
| 17,700 | 42.67 | 17.33 | 10.50 | 29.50 | 2,000 |
| 2,870 | 59.52 | 22.36 | 11.29 | 6.33 | 2,000 |
| 6,200 | 54.35 | 20.87 | 11.30 | 13.48 | 1,769 |
| -1,235 | 63.23 | 21.47 | 17.31 | -2.01 | 1,620 |
| 366 | 60.63 | 27.93 | 10.20 | 1.19 | 2,049 |
| 13,727 | 50.83 | 19.81 | 12.55 | 38.81 | 2,947 |
| 3,500 | 50.75 | 20.68 | 15.41 | 13.16 | 2,670 |
| 4,600 | 47.17 | 30.19 | 13.96 | 8.68 | 1,963 |
| 480 | 30.00 | 54.00 | 11.20 | 4.80 | 1,111 |
| 7,020 | 20.00 | 32.50 | 12.40 | 35.10 | 1,818 |
| 3,840 | 25.00 | 40.63 | 10.38 | 24.00 | 1,067 |
| -1,320 | 42.86 | 53.57 | 13.00 | -9.43 | 1,400 |
| 3,123 | 25.00 | 34.25 | 21.25 | 19.52 | 2,667 |
| 2,300 | 15.38 | 50.00 | 16.92 | 17.69 | 867 |
| -1,140 | 25.00 | 70.00 | 14.50 | -9.50 | 429 |

MALT.

| Number of establishment..... | Average number of employees..... | Capital invested..... | Wages paid during the year..... | Stock used..... | Value of product..... | Gross profit or loss..... | Percentage of gross profit of value of product..... | Estimated loss of forest and expenses..... |
|------------------------------|----------------------------------|-----------------------|---------------------------------|-----------------|-----------------------|---------------------------|---|--|
| 1 | 40 | \$200,000 | \$19,200 | \$250,000 | \$305,000 | \$35,800 | 11.74 | \$12,500 |
| 2 | 32 | 190,000 | 19,519 | 327,429 | 400,000 | 53,052 | 13.26 | 51,400 |
| 3 | 20 | 50,000 | 8,000 | 210,000 | 250,000 | 32,400 | 12.80 | 28,000 |
| 4 | 24 | 120,000 | 11,000 | 110,000 | 140,000 | 19,000 | 13.57 | 21,200 |
| 5 | 35 | 80,000 | 14,000 | 200,000 | 225,000 | 11,000 | 4.89 | 27,800 |
| 6 | 12 | 30,000 | 5,400 | 91,000 | 119,600 | 21,200 | 19.40 | 13,760 |
| 7 | 10 | 30,000 | 5,000 | 15,000 | 27,000 | 7,000 | 25.93 | 4,500 |
| 8 | 16 | 15,000 | 5,130 | 14,600 | 32,700 | 12,970 | 39.66 | 4,170 |
| 9 | 10 | 100,000 | 6,600 | 193,400 | 225,000 | 20,000 | 8.89 | 28,500 |

METALS AND METALLIC GOODS.

| | | | | | | | | |
|----|-----|----------|----------|----------|-----------|----------|-------|---------|
| 1 | 40 | \$45,000 | \$20,000 | \$25,000 | \$60,000 | \$15,000 | 25.00 | \$8,700 |
| 2 | 25 | 30,000 | 11,000 | 12,000 | 36,000 | 13,000 | 36.11 | 5,400 |
| 3 | 45 | 30,000 | 10,400 | 20,000 | 45,000 | 14,600 | 32.44 | 6,300 |
| 4 | 40 | 75,000 | 19,800 | 21,000 | 58,000 | 17,200 | 29.66 | 10,300 |
| 5 | 16 | 30,000 | 7,972 | 6,055 | 15,825 | 1,798 | 11.96 | 3,383 |
| 6 | 35 | 25,000 | 20,475 | 20,000 | 45,000 | 4,525 | 10.06 | 6,000 |
| 7 | 225 | 200,000 | 140,000 | 430,000 | 600,000 | 30,000 | 5.00 | 72,000 |
| 8 | 430 | 250,000 | 103,120 | 309,736 | 531,182 | 58,326 | 10.98 | 68,115 |
| 9 | 150 | 80,000 | 72,657 | 195,000 | 327,000 | 59,343 | 18.15 | 37,500 |
| 10 | 240 | 400,000 | 95,000 | 180,000 | 300,000 | 25,000 | 8.33 | 54,000 |
| 11 | 75 | 60,000 | 48,754 | 149,181 | 206,536 | 8,601 | 4.16 | 24,254 |
| 12 | 126 | 25,000 | 55,000 | 75,000 | 140,000 | 10,000 | 7.14 | 15,500 |
| 13 | 92 | 15,000 | 45,000 | 65,000 | 130,000 | 20,000 | 15.38 | 15,900 |
| 14 | 35 | 45,000 | 18,500 | 42,600 | 80,000 | 18,900 | 23.63 | 10,700 |
| 15 | 25 | 20,000 | 15,600 | 30,000 | 60,000 | 14,400 | 24.00 | 7,200 |
| 16 | 30 | 20,000 | 15,000 | 33,000 | 52,000 | 4,000 | 7.69 | 6,400 |
| 17 | 20 | 20,000 | 11,000 | 16,700 | 38,600 | 10,900 | 28.24 | 5,060 |
| 18 | 15 | 3,500 | 7,000 | 22,000 | 35,000 | 6,000 | 17.14 | 3,710 |
| 19 | 24 | 10,000 | 9,000 | 11,000 | 25,000 | 5,000 | 20.00 | 3,100 |
| 20 | 12 | 4,000 | 5,750 | 6,500 | 14,000 | 1,750 | 12.50 | 1,640 |
| 21 | 50 | 53,000 | 32,996 | 136,119 | 184,000 | 15,485 | 8.42 | 21,580 |
| 22 | 69 | 10,000 | 35,066 | 45,313 | 103,990 | 29,611 | 22.71 | 10,999 |
| 23 | 75 | 234,217 | 34,580 | 32,026 | 86,253 | 19,645 | 22.78 | 22,078 |
| 24 | 80 | 100,000 | 37,700 | 45,240 | 87,628 | 4,588 | 5.24 | 14,753 |
| 25 | 67 | 45,000 | 28,000 | 41,500 | 78,000 | 8,500 | 10.90 | 10,500 |
| 26 | 90 | 25,000 | 30,000 | 150,000 | 250,000 | 70,000 | 28.00 | 26,500 |
| 27 | 40 | 50,000 | 18,000 | 60,000 | 105,000 | 27,000 | 25.71 | 13,500 |
| 28 | 6 | 5,000 | 5,000 | 4,000 | 12,000 | 3,000 | 25.00 | 1,500 |
| 29 | 732 | 685,000 | 303,521 | 821,027 | 1,354,470 | 225,922 | 16.73 | 176,147 |
| 30 | 33 | 7,500 | 9,960 | 10,352 | 32,674 | 12,362 | 37.83 | 3,717 |
| 31 | 25 | 25,000 | 10,500 | 15,000 | 30,000 | 4,500 | 15.00 | 4,500 |
| 32 | 8 | 20,000 | 5,000 | 75,000 | 100,000 | 20,000 | 20.00 | 11,200 |
| 33 | 10 | 20,000 | 6,170 | 21,810 | 26,470 | 1,610 | 6.07 | 3,447 |
| 34 | 131 | 150,000 | 62,028 | 155,230 | 355,770 | 138,512 | 38.93 | 44,577 |
| 35 | 25 | 60,000 | 8,000 | 17,700 | 38,000 | 7,800 | 20.63 | 6,350 |
| 36 | 11 | 3,000 | 5,400 | 4,000 | 15,000 | 5,600 | 37.33 | 1,680 |
| 37 | 70 | 35,000 | 50,000 | 103,000 | 190,000 | 51,000 | 26.84 | 17,400 |
| 38 | 50 | 40,000 | 24,000 | 75,000 | 150,000 | 31,000 | 20.67 | 6,600 |
| 39 | 20 | 10,000 | 14,500 | 35,000 | 60,000 | 10,500 | 17.50 | 3,100 |
| 40 | 23 | 12,000 | 12,480 | 80,000 | 108,000 | 15,520 | 14.37 | 11,520 |
| 41 | 30 | 20,000 | 20,355 | 60,000 | 90,000 | 9,655 | 10.73 | 10,200 |
| 42 | 8 | 1,000 | 6,200 | 6,000 | 14,000 | 1,800 | 12.86 | 1,400 |
| 43 | 20 | 20,000 | 7,500 | 10,150 | 20,250 | 2,800 | 12.84 | 3,225 |
| 44 | 10 | 5,000 | 5,919 | 9,341 | 23,179 | 7,919 | 34.16 | 2,618 |
| 45 | 16 | 5,000 | 10,000 | 24,500 | 40,000 | 5,500 | 13.75 | 4,300 |
| 46 | 10 | 1,500 | 6,000 | 4,500 | 12,500 | 2,000 | 16.00 | 1,340 |
| 47 | 25 | 10,000 | 13,000 | 30,000 | 50,000 | 7,000 | 14.00 | 5,600 |
| 48 | 10 | 9,000 | 6,383 | 4,500 | 12,500 | 1,667 | 13.34 | 1,790 |
| 49 | 10 | 12,000 | 6,900 | 33,000 | 52,000 | 12,100 | 23.27 | 5,920 |
| 50 | 15 | 20,000 | 7,800 | 15,000 | 50,000 | 27,200 | 54.40 | 6,200 |

MALT.

| Net profit or loss..... | Percentage of stock used of value of product..... | Percentage of wages paid of value of product..... | Percentage of interest and expenses of value of product..... | Percentage of net profit or loss of value of product..... | Average yearly product, per employe..... | Average yearly net profit or loss, per employe..... | Average yearly earnings of each employe | Number of establishments.. |
|-------------------------|---|---|--|---|--|---|---|----------------------------|
| -\$6,700 | 81.97 | 6.80 | 13.93 | -2.20 | \$7,625 | -\$168 | \$480 | 1 |
| 1,652 | 81.86 | 4.88 | 12.85 | -4.41 | 12,500 | 52 | 610 | 2 |
| 4,000 | 84.00 | 3.20 | 11.20 | 1.60 | 12,500 | 200 | 400 | 3 |
| -2,200 | 78.57 | 7.86 | 15.14 | -1.57 | 5,833 | -92 | 458 | 4 |
| -16,300 | 88.89 | 6.22 | 12.13 | -7.24 | 6,429 | -466 | 400 | 5 |
| 9,440 | 76.09 | 4.52 | 11.51 | 7.89 | 9,967 | 787 | 450 | 6 |
| 2,500 | 55.56 | 18.52 | 16.67 | 9.26 | 2,700 | 250 | 500 | 7 |
| 8,800 | 44.65 | 15.69 | 12.76 | 26.91 | 2,044 | 550 | 321 | 8 |
| -8,500 | 88.18 | 2.93 | 12.67 | -3.78 | 22,500 | -850 | 660 | 9 |

METALS AND METALLIC GOODS.

| | | | | | | | | |
|---------|-------|-------|-------|--------|---------|-------|-------|----|
| \$6,300 | 41.67 | 33.33 | 14.50 | 10.50 | \$1,500 | \$158 | \$500 | 1 |
| 7,600 | 33.33 | 30.56 | 15.00 | 21.11 | 1,440 | 304 | 440 | 2 |
| 8,300 | 44.44 | 23.11 | 14.00 | 18.44 | 1,000 | 184 | 231 | 3 |
| 6,900 | 36.21 | 34.14 | 17.76 | 11.90 | 1,450 | 173 | 495 | 4 |
| -1,585 | 38.26 | 50.28 | 21.38 | -10.02 | 989 | -90 | 498 | 5 |
| -1,475 | 44.44 | 45.50 | 13.33 | -3.28 | 1,286 | -42 | 585 | 6 |
| -42,000 | 71.67 | 23.33 | 12.00 | -7.00 | 2,667 | -187 | 622 | 7 |
| -9,792 | 58.31 | 30.71 | 12.82 | -1.84 | 1,235 | -23 | 379 | 8 |
| 21,843 | 59.63 | 22.22 | 11.47 | 6.68 | 2,180 | 146 | 484 | 9 |
| -29,000 | 60.00 | 31.67 | 18.00 | -9.67 | 1,250 | -121 | 396 | 10 |
| -15,653 | 72.23 | 23.61 | 11.74 | -7.58 | 2,754 | -209 | 650 | 11 |
| -5,500 | 53.57 | 39.29 | 11.07 | -3.93 | 1,111 | -44 | 437 | 12 |
| 6,100 | 50.00 | 34.62 | 10.69 | 4.69 | 1,444 | 68 | 500 | 13 |
| 8,200 | 53.25 | 23.13 | 13.38 | 10.25 | 2,286 | 234 | 529 | 14 |
| 7,200 | 50.00 | 26.00 | 12.00 | 12.00 | 2,400 | 288 | 624 | 15 |
| -2,400 | 63.46 | 28.85 | 12.31 | -4.62 | 1,733 | -80 | 500 | 16 |
| 5,840 | 43.26 | 28.50 | 13.11 | 15.13 | 1,930 | 292 | 550 | 17 |
| 2,290 | 62.86 | 20.00 | 10.60 | 6.54 | 2,333 | 153 | 467 | 18 |
| 1,900 | 44.00 | 36.00 | 12.40 | 7.60 | 1,042 | 79 | 375 | 19 |
| 110 | 46.43 | 41.07 | 11.71 | 79 | 1,167 | 9 | 479 | 20 |
| -6,095 | 73.98 | 17.61 | 11.73 | -3.31 | 3,680 | -122 | 648 | 21 |
| 12,612 | 43.57 | 33.72 | 10.58 | 12.13 | 1,507 | 183 | 508 | 22 |
| -3,083 | 37.25 | 40.09 | 26.29 | -3.52 | 1,150 | -40 | 461 | 23 |
| -10,165 | 51.69 | 43.07 | 16.86 | -11.61 | 1,094 | -127 | 471 | 24 |
| -2,000 | 53.21 | 35.90 | 13.46 | -2.56 | 1,164 | -30 | 418 | 25 |
| 43,500 | 60.00 | 12.00 | 10.60 | 17.40 | 2,778 | 483 | 333 | 26 |
| 13,500 | 57.14 | 17.14 | 12.86 | 12.86 | 2,625 | 338 | 450 | 27 |
| 1,500 | 33.33 | 41.67 | 12.50 | 12.50 | 2,000 | 250 | 833 | 28 |
| 49,775 | 60.80 | 22.48 | 13.04 | 3.69 | 1,845 | 68 | 415 | 29 |
| 8,645 | 31.68 | 30.48 | 11.38 | 26.46 | 990 | 262 | 302 | 30 |
| a - | 50.00 | 35.00 | 15.00 | a - | 1,200 | a - | 420 | 31 |
| 8,990 | 75.00 | 5.00 | 11.20 | 8.80 | 12,500 | 1,100 | 625 | 32 |
| -5,357 | 82.40 | 23.27 | 14.53 | -20.24 | 2,647 | -536 | 617 | 33 |
| 93,335 | 43.63 | 17.43 | 12.53 | 26.40 | 2,716 | 717 | 473 | 34 |
| 850 | 52.83 | 23.88 | 20.75 | 2.54 | 1,340 | 34 | 320 | 35 |
| 3,920 | 26.67 | 36.00 | 11.20 | 26.13 | 1,364 | 356 | 491 | 36 |
| 15,900 | 54.21 | 26.32 | 11.11 | 8.37 | 2,714 | 227 | 714 | 37 |
| 33,600 | 50.00 | 16.00 | 11.60 | 22.40 | 3,000 | 672 | 480 | 38 |
| 3,900 | 54.33 | 24.17 | 11.00 | 6.50 | 3,000 | 195 | 725 | 39 |
| 4,000 | 74.07 | 11.56 | 10.67 | 3.70 | 4,696 | 174 | 543 | 40 |
| -545 | 66.67 | 22.61 | 11.33 | -61 | 3,000 | -18 | 678 | 41 |
| 340 | 42.86 | 44.29 | 10.36 | 2.43 | 1,750 | 43 | 775 | 42 |
| -625 | 50.12 | 37.04 | 15.93 | -3.09 | 1,013 | -31 | 375 | 43 |
| 5,301 | 42.99 | 25.54 | 11.29 | 22.87 | 2,318 | 530 | 592 | 44 |
| 1,200 | 61.25 | 25.00 | 10.75 | 3.00 | 2,500 | 75 | 625 | 45 |
| 660 | 36.00 | 48.00 | 10.72 | 5.28 | 1,250 | 60 | 600 | 46 |
| 1,400 | 60.00 | 26.00 | 11.20 | 2.80 | 2,000 | 56 | 520 | 47 |
| -123 | 36.00 | 50.66 | 14.32 | -98 | 1,250 | -12 | 633 | 48 |
| 6,180 | 63.46 | 13.27 | 11.38 | 11.88 | 5,200 | 618 | 690 | 49 |
| 21,000 | 30.00 | 15.60 | 12.40 | 42.00 | 3,333 | 1,400 | 520 | 50 |

Metals and Metallic Goods—Continued.

| Number of es- tablishment.. | Average num- ber of em- ployes..... | Capital invest- ed..... | Wages paid during the year..... | Stock used.... | Value of pro- duct..... | Gross profit or loss..... | Percentage of gross profit of value of pro- duct..... | Estimated in- terest and ex- penses..... |
|--------------------------------|---|----------------------------|---------------------------------------|----------------|----------------------------|------------------------------|--|--|
| 51 | 49 | \$15,000 | \$16,000 | \$9,600 | \$40,000 | \$14,400 | 36.00 | \$4,900 |
| 52 | 8 | 5,000 | 5,000 | 3,000 | 15,000 | 7,000 | 46.67 | 1,800 |
| 53 | 15 | 9,000 | 6,533 | 4,500 | 15,133 | 4,100 | 27.09 | 2,053 |
| 54 | 13 | 15,000 | 5,200 | 23,000 | 46,000 | 17,800 | 38.70 | 5,500 |
| 55 | 40 | 15,000 | 13,000 | 25,000 | 40,000 | 2,000 | 5.00 | 4,900 |
| 56 | 30 | 35,000 | 10,000 | 8,000 | 25,000 | 7,000 | 28.00 | 4,600 |
| 57 | 14 | 20,000 | 8,400 | 10,000 | 25,000 | 6,600 | 26.40 | 3,700 |
| 58 | 125 | 100,000 | 45,000 | 40,000 | 125,000 | 40,000 | 32.00 | 18,500 |
| 59 | 40 | 15,000 | 15,000 | 35,000 | 85,000 | 35,000 | 41.17 | 9,400 |
| 60 | 8 | 15,000 | 5,700 | 18,200 | 30,000 | 6,100 | 20.33 | 3,900 |
| 61 | 18 | 10,000 | 9,000 | 14,000 | 30,000 | 7,000 | 23.33 | 3,600 |
| 62 | 10 | 10,000 | 12,000 | 40,000 | 60,000 | 8,000 | 13.33 | 6,600 |
| 63 | 10 | 2,500 | 5,000 | 12,000 | 20,000 | 3,000 | 15.00 | 2,150 |
| 64 | 279 | 150,000 | 125,000 | 125,000 | 300,000 | 50,000 | 16.67 | 39,000 |
| 65 | 18 | 20,000 | 9,350 | 20,000 | 40,000 | 10,650 | 26.63 | 5,200 |
| 66 | 13 | 6,000 | 5,200 | 10,000 | 24,000 | 8,800 | 36.67 | 2,760 |
| 67 | 190 | 175,000 | 60,000 | 100,000 | 190,000 | 30,000 | 15.79 | 29,500 |
| 68 | 30 | 30,000 | 15,000 | 60,000 | 90,000 | 15,000 | 16.67 | 10,800 |
| 69 | 20 | 50,000 | 6,000 | 5,500 | 28,000 | 16,500 | 58.93 | 5,800 |
| 70 | 22 | 7,000 | 11,000 | 20,000 | 50,000 | 19,000 | 38.00 | 5,420 |
| 71 | 19 | 5,000 | 7,000 | 15,000 | 30,000 | 8,000 | 26.67 | 3,300 |
| 72 | 10 | 30,000 | 5,200 | 50,000 | 50,000 | 14,800 | 29.60 | 6,800 |
| 73 | 12 | 20,000 | 6,400 | 45,000 | 70,000 | 18,600 | 26.57 | 8,200 |
| 74 | 175 | 50,000 | 67,819 | 150,377 | 255,791 | 37,595 | 14.70 | 28,579 |
| 75 | 20 | 15,000 | 15,000 | 40,000 | 75,000 | 20,000 | 26.67 | 8,400 |
| 76 | 350 | 400,000 | 129,000 | 570,000 | 840,000 | 141,000 | 16.79 | 108,000 |
| 77 | 300 | 75,000 | 100,000 | 300,000 | 500,000 | 100,000 | 20.00 | 54,500 |
| 78 | 70 | 50,000 | 27,000 | 75,000 | 200,000 | 98,000 | 49.00 | 21,000 |
| 79 | 20 | 10,000 | 8,000 | 15,000 | 42,000 | 19,000 | 45.24 | 4,800 |
| 80 | 33 | 30,000 | 20,000 | 42,000 | 75,000 | 13,000 | 17.33 | 9,300 |
| 81 | 60 | 20,000 | 25,000 | 75,000 | 125,000 | 25,000 | 20.00 | 13,700 |
| 82 | 15 | 8,000 | 6,000 | 19,000 | 29,000 | 4,000 | 13.79 | 3,000 |
| 83 | 13 | 10,000 | 7,600 | 25,500 | 35,500 | 2,400 | 6.76 | 4,150 |
| 84 | 10 | 5,000 | 5,000 | 10,000 | 25,000 | 10,000 | 40.00 | 2,800 |
| 85 | 50 | 12,000 | 18,853 | 15,000 | 60,000 | 26,147 | 43.58 | 6,720 |
| 86 | 15 | 60,000 | 6,500 | 5,000 | 15,000 | 3,500 | 23.33 | 5,100 |
| 87 | 14 | 2,000 | 5,800 | 2,500 | 10,000 | 1,700 | 17.00 | 1,120 |
| 88 | 18 | 25,000 | 10,100 | 24,075 | 64,013 | 29,838 | 46.61 | 7,901 |
| 89 | 40 | 30,000 | 10,114 | 15,000 | 35,000 | 9,886 | 28.25 | 5,300 |
| 90 | 14 | 8,000 | 8,100 | 10,000 | 25,000 | 6,900 | 27.60 | 2,930 |
| 91 | 8 | 30,000 | 7,000 | 4,000 | 14,000 | 3,000 | 21.43 | 3,200 |
| 92 | 78 | 150,000 | 29,800 | 276,000 | 358,000 | 52,200 | 14.58 | 44,800 |
| 93 | 20 | 40,522 | 15,054 | 170,636 | 226,648 | 40,958 | 18.07 | 25,096 |
| 94 | 17 | 25,000 | 8,500 | 163,000 | 240,000 | 63,500 | 26.46 | 25,500 |
| 95 | 25 | 10,000 | 10,000 | 85,000 | 100,000 | 5,000 | 5.00 | 10,600 |
| 96 | 23 | 25,000 | 9,255 | 22,800 | 63,600 | 31,535 | 49.58 | 7,960 |
| 97 | 36 | 22,000 | 10,000 | 49,000 | 72,000 | 13,000 | 18.06 | 8,520 |
| 98 | 25 | 13,000 | 6,000 | 10,000 | 25,000 | 3,000 | 12.00 | 3,200 |
| 99 | 15 | 12,500 | 6,750 | 25,000 | 35,000 | 3,250 | 9.29 | 4,250 |
| 100 | 19 | 5,000 | 5,000 | 25,000 | 40,000 | 10,000 | 25.00 | 4,300 |
| 101 | 10 | 15,000 | 5,200 | 15,000 | 25,000 | 4,800 | 19.20 | 3,400 |
| 102 | 198 | 225,000 | 70,000 | 50,000 | 200,000 | 80,000 | 40.00 | 33,500 |
| 103 | 28 | 20,000 | 9,800 | 11,500 | 27,000 | 5,700 | 21.11 | 3,900 |
| 104 | 80 | 25,000 | 25,000 | 21,000 | 75,000 | 29,000 | 38.67 | 9,000 |
| 105 | 23 | 16,000 | 14,352 | 16,000 | 40,000 | 9,668 | 24.17 | 4,960 |
| 106 | 45 | 200,000 | 24,100 | 632,000 | 710,083 | 83,993 | 7.60 | 83,009 |
| 107 | 27 | 150,000 | 8,668 | 126,580 | 150,000 | 14,752 | 9.83 | 24,000 |
| 108 | 50 | 300,000 | 27,000 | 175,000 | 240,000 | 38,000 | 15.83 | 42,000 |
| 109 | 21 | 100,000 | 12,579 | 30,750 | 70,051 | 26,722 | 38.15 | 13,005 |
| 110 | 16 | 7,000 | 9,000 | 4,000 | 30,000 | 17,000 | 56.67 | 3,420 |
| 111 | 10 | 5,000 | 9,000 | 8,000 | 24,000 | 7,000 | 29.17 | 2,700 |
| 112 | 23 | 25,000 | 15,000 | 50,000 | 100,000 | 35,000 | 35.00 | 11,500 |
| 113 | 7 | 3,000 | 7,000 | 3,000 | 15,000 | 5,000 | 33.33 | 1,680 |
| 114 | 25 | 38,000 | 8,500 | 26,500 | 40,000 | 5,000 | 12.50 | 6,280 |
| 115 | 40 | 20,000 | 18,000 | 22,000 | 50,000 | 10,000 | 20.00 | 6,200 |
| 116 | 15 | 10,000 | 10,000 | 10,000 | 30,000 | 10,000 | 33.33 | 3,600 |

PROFITS AND EARNINGS.

Metals and Metallic Goods—Continued.

| net profit or loss per em- ployé | Average yearly product per employé | Percentage of net profit or loss of value of product ... | Percentage of interest and expense of value of pro- duct | Percentage of wages paid of value of pro- duct | Percentage of stock used of value of pro- duct | Net profit or loss |
|--|--|--|---|--|---|--------------------------------|
| | \$1,000 | 23.75 | 12.25 | 40.00 | 24.00 | \$5,500 |
| | 1,875 | 34.67 | 12.00 | 38.33 | 23.50 | 5,200 |
| | 1,009 | 13.53 | 13.57 | 43.17 | 23.50 | 5,047 |
| | 3,538 | 26.74 | 11.96 | 11.90 | 23.50 | 1,900 |
| | 1,000 | 7.25 | 12.25 | 32.50 | 23.50 | 1,400 |
| | 833 | 9.60 | 18.40 | 40.00 | 23.50 | 1,200 |
| | 1,786 | 11.60 | 14.80 | 33.60 | 23.50 | 1,200 |
| | 1,000 | 17.20 | 14.80 | 36.00 | 23.50 | 1,200 |
| | 2,125 | 30.12 | 11.06 | 17.65 | 23.50 | 2,500 |
| | 3,750 | 7.33 | 13.00 | 19.00 | 23.50 | 2,200 |
| | 1,667 | 11.33 | 12.00 | 30.00 | 23.50 | 3,400 |
| | 2,143 | 2.33 | 11.00 | 20.00 | 23.50 | 1,400 |
| | 2,000 | 4.25 | 10.75 | 25.00 | 23.50 | 850 |
| | 1,075 | 8.67 | 13.00 | 41.67 | 23.50 | 11,000 |
| | 2,222 | 11.13 | 13.00 | 23.38 | 23.50 | 5,450 |
| | 1,546 | 25.17 | 11.50 | 21.67 | 23.50 | 6,040 |
| | 1,462 | .26 | 15.53 | 31.57 | 23.50 | 5,500 |
| | 3,000 | 4.67 | 12.00 | 16.67 | 23.50 | 4,200 |
| | 1,400 | 38.21 | 20.71 | 21.43 | 23.50 | 10,700 |
| | 2,273 | 27.16 | 10.84 | 22.00 | 23.50 | 13,580 |
| | 1,579 | 15.67 | 11.00 | 23.33 | 23.50 | 4,700 |
| | 5,000 | 16.00 | 13.60 | 10.40 | 23.50 | 8,000 |
| | 5,833 | 14.86 | 11.71 | 9.14 | 23.50 | 10,400 |
| | 1,462 | 3.52 | 11.17 | 26.51 | 23.50 | 9,016 |
| | 3,750 | 15.47 | 11.20 | 20.00 | 23.50 | 11,600 |
| | 2,400 | 3.93 | 12.86 | 15.36 | 23.50 | 33,000 |
| | 1,667 | 9.10 | 10.90 | 20.00 | 23.50 | 45,500 |
| | 2,857 | 37.50 | 11.50 | 13.50 | 23.50 | 75,000 |
| | 2,100 | 33.81 | 11.43 | 19.05 | 23.50 | 14,200 |
| | 2,273 | 4.93 | 11.07 | 26.67 | 23.50 | 3,700 |
| | 2,083 | 9.04 | 10.96 | 20.00 | 23.50 | 11,300 |
| | 1,933 | 8.17 | 10.62 | 20.69 | 23.50 | 920 |
| | 2,731 | 4.93 | 11.69 | 21.41 | 23.50 | -1,750 |
| | 2,500 | 28.80 | 11.20 | 20.00 | 23.50 | 7,200 |
| | 1,400 | 32.38 | 11.20 | 31.42 | 23.50 | 19,427 |
| | 1,000 | 10.67 | 34.00 | 43.33 | 23.50 | -1,600 |
| | 714 | 5.80 | 11.20 | 58.00 | 23.50 | -1,580 |
| | 3,556 | 34.27 | 12.34 | 15.78 | 23.50 | 21,937 |
| | 875 | 13.10 | 15.14 | 28.90 | 23.50 | 4,586 |
| | 1,786 | 15.68 | 11.92 | 32.40 | 23.50 | 3,920 |
| | 1,750 | -1.43 | 22.86 | 50.00 | 23.50 | -200 |
| | 4,500 | 2.07 | 12.51 | 8.32 | 23.50 | 7,400 |
| | 11,332 | 7.00 | 11.07 | 6.64 | 23.50 | 15,862 |
| | 14,118 | 15.83 | 10.63 | 3.54 | 23.50 | 33,000 |
| | 4,000 | -5.60 | 10.60 | 18.00 | 23.50 | 5,600 |
| | 2,765 | 37.22 | 12.36 | 14.57 | 23.50 | 23,675 |
| | 2,000 | 6.22 | 11.83 | 13.89 | 23.50 | 4,480 |
| | 1,000 | 22.88 | 13.12 | 21.00 | 23.50 | 5,720 |
| | 2,333 | -2.86 | 12.14 | 19.29 | 23.50 | -1,000 |
| | 2,105 | 14.25 | 10.75 | 12.50 | 23.50 | 5,700 |
| | 2,500 | 5.60 | 13.60 | 20.80 | 23.50 | 1,400 |
| | 1,010 | 23.25 | 16.75 | 35.00 | 23.50 | 16,500 |
| | 964 | 6.67 | 14.41 | 36.30 | 23.50 | 1,800 |
| | 938 | 26.67 | 12.00 | 33.33 | 23.50 | 20,000 |
| | 1,739 | 11.77 | 12.40 | 36.83 | 23.50 | 4,708 |
| | 15,780 | -4.09 | 11.69 | 33.94 | 23.50 | 23,016 |
| | 5,556 | -6.17 | 16.00 | 5.78 | 23.50 | -9,248 |
| | 4,800 | -1.67 | 17.50 | 11.25 | 23.50 | -4,000 |
| | 3,336 | 19.58 | 18.57 | 17.96 | 23.50 | 13,717 |
| | 1,875 | 45.27 | 11.40 | 30.00 | 23.50 | 13,580 |
| | 2,400 | 17.92 | 11.25 | 37.50 | 23.50 | 4,300 |
| | 4,348 | 23.50 | 11.50 | 15.00 | 23.50 | 23,500 |
| | 2,143 | 22.13 | 11.20 | 46.67 | 23.50 | 3,320 |
| | 1,600 | -3.20 | 15.70 | 21.23 | 23.50 | -1,280 |
| | 1,259 | 7.60 | 12.40 | 36.00 | 23.50 | 3,800 |
| | 2,000 | 21.33 | 12.00 | 33.33 | 23.50 | 6,400 |

Metals and Metallic Goods—Continued.

| Number of es- tablishment.. | Average num- ber of em- ployes..... | Capital invest- ed..... | Wages paid during the year..... | Stock used..... | Value of pro- duct..... | Gross profit or loss..... | Percentage of gross profit of value of pro- duct..... | Estimated in- terest and ex- penses..... |
|--------------------------------|---|----------------------------|---------------------------------------|-----------------|----------------------------|------------------------------|--|--|
| 117 | 18 | \$25,000 | \$8,000 | \$30,000 | \$50,000 | \$12,000 | 24.00 | \$6,500 |
| 118 | 24 | 6,300 | 7,440 | 10,000 | 19,000 | 1,560 | 8.21 | 2,271 |
| 119 | 9 | 6,000 | 9,000 | 5,000 | 25,000 | 11,000 | 44.00 | 2,961 |
| 120 | 82 | 150,000 | 26,885 | 43,500 | 115,500 | 45,115 | 39.06 | 20,554 |
| 121 | 100 | 100,000 | 54,000 | 300,000 | 400,000 | 46,000 | 11.50 | 46,000 |
| 122 | 10 | 15,000 | 5,000 | 25,000 | 35,000 | 5,000 | 14.29 | 4,404 |
| 123 | 30 | 20,000 | 14,500 | 19,000 | 40,000 | 6,500 | 16.25 | 5,204 |
| 124 | 35 | 16,000 | 12,483 | 10,000 | 45,645 | 23,162 | 50.74 | 5,522 |
| 125 | 125 | 110,000 | 60,000 | 180,000 | 265,000 | 25,000 | 9.43 | 33,104 |
| 126 | 43 | 35,000 | 20,000 | 90,000 | 120,000 | 10,000 | 8.33 | 14,104 |
| 127 | 15 | 9,000 | 6,000 | 6,300 | 15,000 | 2,700 | 18.00 | 2,044 |
| 128 | 48 | 32,000 | 18,615 | 40,000 | 75,000 | 16,385 | 21.85 | 9,434 |
| 129 | 55 | 30,000 | 16,000 | 10,000 | 75,000 | 49,000 | 65.33 | 9,300 |
| 130 | 550 | 426,000 | 267,000 | 885,000 | 1,222,000 | 70,000 | 5.73 | 147,760 |
| 131 | 40 | 15,000 | 22,000 | 35,000 | 75,000 | 18,000 | 24.00 | 8,400 |
| 132 | 40 | 20,000 | 10,500 | 23,660 | 35,000 | 840 | 2.40 | 4,700 |
| 133 | 12 | 20,000 | 5,000 | 5,000 | 15,000 | 5,000 | 33.33 | 2,700 |
| 134 | 12 | 8,000 | 5,500 | 7,400 | 21,000 | 8,100 | 38.57 | 2,580 |
| 135 | 35 | 20,000 | 20,000 | 16,000 | 50,000 | 14,000 | 28.00 | 6,200 |
| 136 | 11 | 18,000 | 5,000 | 5,000 | 13,000 | 3,000 | 23.08 | 2,380 |
| 137 | 20 | 23,000 | 7,000 | 10,000 | 30,000 | 13,000 | 43.33 | 4,380 |
| 138 | 16 | 25,000 | 10,000 | 5,500 | 25,000 | 9,500 | 38.00 | 4,000 |
| 139 | 20 | 20,000 | 9,600 | 23,879 | 43,200 | 9,721 | 22.50 | 5,520 |
| 140 | 20 | 40,000 | 12,000 | 35,000 | 55,000 | 8,000 | 14.55 | 7,900 |
| 141 | 10 | 10,000 | 5,000 | 20,800 | 29,000 | 4,000 | 13.79 | 3,500 |
| 142 | 12 | 5,000 | 5,200 | 8,000 | 16,000 | 2,800 | 17.50 | 1,900 |
| 143 | 60 | 40,000 | 27,000 | 38,000 | 75,000 | 10,000 | 13.33 | 9,900 |
| 144 | 10 | 6,000 | 6,750 | 3,600 | 13,450 | 3,100 | 23.05 | 1,705 |
| 145 | 24 | 1,500 | 9,000 | 10,000 | 22,800 | 3,800 | 16.67 | 2,370 |
| 146 | 75 | 150,000 | 39,750 | 65,196 | 158,000 | 53,054 | 33.58 | 24,800 |
| 147 | 80 | 120,000 | 32,000 | 57,500 | 125,000 | 35,500 | 28.40 | 19,700 |
| 148 | 60 | 50,000 | 40,623 | 46,869 | 103,000 | 15,508 | 15.06 | 13,300 |
| 149 | 75 | 75,000 | 25,000 | 20,000 | 60,000 | 15,000 | 25.00 | 10,500 |
| 150 | 13 | 20,000 | 8,500 | 12,000 | 26,000 | 5,500 | 21.15 | 3,800 |
| 151 | 28 | 12,000 | 14,218 | 20,500 | 38,189 | 3,471 | 9.09 | 4,539 |
| 152 | 12 | 10,000 | 7,000 | 13,000 | 22,000 | 2,000 | 9.09 | 2,800 |
| 153 | 8 | 7,000 | 5,000 | 3,500 | 10,000 | 1,500 | 15.00 | 1,420 |
| 154 | 225 | 150,000 | 100,000 | 131,000 | 300,000 | 69,000 | 23.00 | 39,000 |
| 155 | 60 | 30,000 | 19,200 | 11,500 | 40,000 | 9,300 | 23.25 | 5,800 |
| 156 | 15 | 4,000 | 7,000 | 36,000 | 47,200 | 4,200 | 8.90 | 4,960 |
| 157 | 40 | 10,000 | 7,800 | 6,500 | 19,500 | 5,200 | 26.77 | 2,550 |
| 158 | 200 | 140,000 | 115,000 | 550,000 | 800,000 | 135,000 | 16.88 | 88,400 |
| 159 | 60 | 40,000 | 26,000 | 57,000 | 90,000 | 7,000 | 7.78 | 11,400 |
| 160 | 35 | 30,000 | 25,000 | 20,000 | 60,000 | 15,000 | 25.00 | 7,800 |
| 161 | 25 | 5,000 | 9,000 | 45,000 | 60,000 | 6,000 | 10.00 | 6,300 |
| 162 | 18 | 7,500 | 7,826 | 7,240 | 16,678 | 1,612 | 9.67 | 2,118 |
| 163 | 10 | 12,500 | 6,000 | 17,000 | 42,000 | 19,000 | 45.24 | 4,950 |
| 164 | 20 | 10,000 | 7,200 | 50,000 | 65,000 | 7,800 | 12.00 | 7,100 |
| 165 | 90 | 100,000 | 25,000 | 350,000 | 400,000 | 25,000 | 6.25 | 46,000 |
| 166 | 45 | 40,000 | 15,000 | 164,000 | 190,000 | 11,000 | 5.79 | 21,400 |
| 164 | 60 | 10,000 | 25,000 | 220,000 | 275,000 | 30,000 | 10.91 | 28,100 |
| 168 | 18 | 10,000 | 8,000 | 90,000 | 120,000 | 22,000 | 18.33 | 12,600 |
| 169 | 20 | 15,000 | 8,490 | 20,350 | 145,650 | 116,810 | 80.20 | 15,465 |
| 170 | 60 | 10,000 | 30,000 | 200,000 | 250,000 | 20,000 | 8.00 | 25,600 |
| 171 | 10 | 6,000 | 6,500 | 5,000 | 25,000 | 13,500 | 54.00 | 2,860 |
| 172 | 40 | 20,000 | 18,000 | 26,000 | 50,000 | 6,000 | 12.00 | 6,200 |
| 173 | 40 | 10,000 | 16,000 | 25,000 | 50,000 | 9,000 | 18.00 | 5,600 |
| 174 | 40 | 50,000 | 18,000 | 41,000 | 70,000 | 11,000 | 15.71 | 10,000 |
| 175 | 16 | 8,842 | 7,127 | 10,873 | 27,000 | 9,000 | 33.33 | 3,231 |
| 176 | 40 | 50,000 | 14,000 | 45,000 | 75,000 | 16,000 | 21.33 | 10,500 |
| 177 | 40 | 18,000 | 12,000 | 20,000 | 47,500 | 15,500 | 32.63 | 5,830 |
| 178 | 37 | 25,000 | 8,500 | 16,000 | 32,000 | 7,500 | 23.44 | 4,700 |
| 179 | 538 | 500,000 | 265,960 | 1,028,597 | 1,235,088 | 59,469 | 4.81 | 153,509 |
| 180 | 85 | 125,000 | 36,274 | 174,137 | 263,908 | 53,497 | 20.27 | 33,891 |

PROFITS AND EARNINGS.

Metals and Metallic Goods—Continued

| ployé | Average yearly product per employé | Percentage of net profit or loss of value of product... | Percentage of interest and expenses of value of product | Percentage of wages paid of value of product | Percentage of stock used of value of product | Net loss, profit or |
|-------------|--|---|---|--|--|---------------------------|
| | \$2.778 | 11.00 | 13.00 | 16.00 | 60.00 | \$5.500 |
| | .792 | -3.78 | 11.99 | 39.16 | 52.63 | 718 |
| | 2.778 | 32.56 | 11.44 | 36.00 | 20.00 | 8,140 |
| | 1.409 | 21.27 | 17.79 | 23.28 | 37.66 | 24,505 |
| a | 4,000 | a - | 11.50 | 13.50 | 75.00 | |
| | 3,590 | 1.71 | 12.57 | 14.29 | 71.43 | 600 |
| | 1,333 | 3.25 | 13.00 | 36.25 | 47.50 | 1,300 |
| | 1,304 | 38.64 | 12.10 | 27.35 | 21.91 | 17,637 |
| | 2,120 | -3.06 | 12.49 | 22.64 | 67.92 | 8,100 |
| | 2,791 | -3.42 | 11.75 | 16.67 | 75.00 | 4,100 |
| | 1,000 | 4.40 | 13.60 | 40.00 | 42.00 | 660 |
| | 1,563 | 9.29 | 12.56 | 24.82 | 53.33 | 6,965 |
| | 1,364 | 52.93 | 12.40 | 21.33 | 13.33 | 39,700 |
| | 2,222 | -6.36 | 12.09 | 21.85 | 72.42 | 71,760 |
| | 1,875 | 12.80 | 11.20 | 29.33 | 46.67 | 9,600 |
| | 875 | -11.03 | 13.43 | 30.00 | 67.60 | 3,860 |
| | 1,250 | 15.33 | 18.00 | 33.33 | 33.33 | 2,300 |
| | 1,750 | 26.29 | 12.29 | 26.19 | 33.33 | 520 |
| | 1,429 | 15.60 | 12.40 | 40.00 | 35.24 | 800 |
| | 1,182 | 4.77 | 18.31 | 28.46 | 32.00 | 620 |
| | 1,500 | 28.74 | 14.60 | 23.33 | 38.46 | 8,620 |
| | 1,563 | 22.00 | 16.00 | 40.00 | 33.33 | 5,500 |
| | 2,160 | 9.72 | 12.78 | 22.22 | 22.00 | 4,201 |
| | 2,750 | .18 | 14.36 | 21.82 | 55.27 | 100 |
| | 2,900 | 1.72 | 12.07 | 17.24 | 68.97 | 500 |
| | 1,333 | 5.63 | 11.88 | 32.50 | 50.00 | 900 |
| | 1,250 | 1.30 | 13.20 | 26.00 | 50.67 | 100 |
| | 1,315 | 10.37 | 12.68 | 50.19 | 26.77 | 1,395 |
| | 950 | 6.27 | 10.39 | 39.47 | 43.86 | 1,430 |
| | 2,107 | 17.88 | 15.71 | 25.16 | 41.26 | 28,254 |
| | 1,583 | 12.60 | 15.76 | 25.60 | 46.00 | 15,800 |
| | 1,717 | 2.14 | 12.91 | 39.44 | 45.50 | 2,208 |
| | 800 | 75.00 | 17.50 | 41.67 | 33.33 | 4,500 |
| | 2,000 | 6.54 | 14.62 | 32.69 | 46.15 | 1,700 |
| | 1,364 | -2.80 | 11.89 | 37.23 | 53.68 | 1,068 |
| | 1,833 | -3.60 | 12.73 | 31.82 | 59.09 | -800 |
| | 1,250 | .80 | 14.20 | 50.00 | 35.00 | 80 |
| | 1,333 | 10.00 | 13.00 | 33.33 | 43.67 | 30,000 |
| | 667 | 8.75 | 14.50 | 48.00 | 28.75 | 3,500 |
| | 3,147 | -1.61 | 10.51 | 14.83 | 76.27 | -760 |
| | 498 | 13.59 | 13.08 | 40.00 | 33.33 | 2,650 |
| | 4,000 | 5.83 | 11.05 | 14.38 | 68.75 | 46,600 |
| | 1,500 | -4.89 | 12.67 | 28.89 | 63.33 | 4,400 |
| | 1,714 | 12.00 | 13.00 | 41.67 | 33.33 | 7,260 |
| | 2,400 | - .50 | 10.50 | 15.00 | 75.00 | -200 |
| | 927 | -3.03 | 12.70 | 46.92 | 43.41 | -516 |
| | 4,200 | 33.45 | 11.79 | 14.29 | 40.48 | 14,700 |
| | 3,250 | 1.08 | 10.92 | 11.08 | 76.92 | -21,000 |
| | 4,444 | -5.25 | 11.50 | 6.25 | 87.50 | 10,000 |
| | 4,222 | 5.47 | 11.26 | 7.89 | 86.32 | -21,000 |
| | 4,583 | .69 | 10.22 | 9.09 | 80.00 | 10,000 |
| | 6,667 | 7.83 | 10.50 | 6.67 | 75.00 | 10,000 |
| | 7,283 | 69.58 | 10.62 | 5.83 | 13.97 | 10,000 |
| | 4,167 | -2.24 | 10.24 | 12.00 | 80.00 | 10,000 |
| | 2,500 | 42.56 | 11.44 | 26.00 | 20.00 | 10,000 |
| | 1,250 | - .40 | 12.40 | 36.00 | 52.00 | 10,000 |
| | 1,250 | 6.80 | 11.20 | 32.00 | 50.00 | 10,000 |
| | 1,750 | 1.43 | 14.29 | 25.71 | 53.57 | 10,000 |
| | 1,688 | 21.37 | 11.97 | 26.40 | 40.00 | 10,000 |
| | 1,875 | 7.33 | 14.00 | 18.67 | 42.11 | 10,000 |
| | 1,188 | 2.04 | 12.27 | 25.26 | 50.00 | 10,000 |
| | 865 | 8.75 | 14.69 | 26.56 | 55.28 | 10,000 |
| | 2,296 | -17.24 | 12.43 | 21.53 | 65.98 | 10,000 |
| | 3,105 | 7.43 | 12.84 | 13.71 | | 10,000 |

Metals and Metallic Goods—Continued.

| Number of es- tablishment.. | Average num- ber of em- ployees..... | Capital invest- ed..... | Wages paid during the year | Stock used..... | Value of pro- duct..... | Gross profit or loss..... | Percentage of gross profit of value of pro- duct..... | Estimated in- terest and ex- penses..... |
|--------------------------------|--|----------------------------|--|-----------------|----------------------------|------------------------------|--|--|
| 181 | 600 | \$625,000 | \$244,800 | \$650,000 | \$968,015 | \$73,215 | 7.56 | \$134,302 |
| 182 | 120 | 100,000 | 53,148 | 78,812 | 159,000 | 17,040 | 10.72 | 21,900 |
| 183 | 725 | 600,620 | 299,846 | 2,157,668 | 2,395,724 | -61,790 | -2.58 | 275,609 |
| 184 | 200 | 150,000 | 70,000 | 150,925 | 276,000 | 55,075 | 19.95 | 36,600 |
| 185 | 200 | 153,000 | 120,000 | 369,400 | 630,000 | 140,600 | 22.32 | 72,000 |
| 186 | 654 | 800,000 | 413,157 | 2,890,494 | 3,491,010 | 187,359 | 5.37 | 397,101 |
| 187 | 780 | 600,000 | 350,518 | 1,648,633 | 2,191,420 | 192,269 | 8.77 | 255,142 |
| 188 | 60 | 100,000 | 20,000 | 67,000 | 190,000 | 103,000 | 54.21 | 25,000 |
| 189 | 75 | 245,000 | 9,769 | 64,692 | 46,250 | -28,211 | -61.00 | 19,325 |
| 190 | 712 | 800,000 | 437,165 | 3,913,118 | 6,278,700 | 1,928,417 | 30.71 | 675,870 |
| 191 | 175 | 600,000 | 82,000 | 863,375 | 1,125,000 | 179,625 | 15.97 | 148,500 |
| 192 | 98 | 200,000 | 61,854 | 680,234 | 965,450 | 223,362 | 23.14 | 108,545 |
| 193 | 225 | 150,000 | 41,200 | 219,000 | 301,400 | 41,200 | 13.67 | 39,140 |
| 194 | 10 | 3,000 | 5,200 | 2,000 | 9,000 | 1,800 | 20.00 | 1,080 |
| 195 | 24 | 10,000 | 8,000 | 20,000 | 40,000 | 12,000 | 30.00 | 4,600 |
| 196 | 32 | 7,000 | 8,750 | 9,000 | 20,000 | 2,250 | 11.25 | 2,420 |
| 197 | 25 | 5,000 | 9,000 | 12,000 | 25,000 | 4,000 | 16.00 | 2,800 |

MUSICAL INSTRUMENTS AND MATERIALS.

| | | | | | | | | |
|----|----|----------|----------|----------|-----------|----------|-------|----------|
| 1 | 36 | \$50,000 | \$30,000 | \$60,000 | \$120,000 | \$30,000 | 25.00 | \$15,000 |
| 2 | 12 | 11,000 | 9,670 | 6,000 | 21,000 | 5,330 | 25.33 | 2,760 |
| 3 | 80 | 30,000 | 45,000 | 40,000 | 105,000 | 20,000 | 19.05 | 12,300 |
| 4 | 31 | 12,000 | 15,000 | 35,000 | 65,000 | 15,000 | 23.08 | 7,220 |
| 5 | 16 | 3,000 | 7,657 | 9,528 | 20,250 | 3,065 | 15.14 | 2,205 |
| 6 | 22 | 20,000 | 11,000 | 22,000 | 45,000 | 12,000 | 26.67 | 5,700 |
| 7 | 19 | 3,000 | 13,500 | 12,000 | 32,000 | 6,500 | 20.31 | 3,380 |
| 8 | 20 | 8,000 | 9,200 | 65,000 | 90,000 | 15,800 | 17.56 | 9,480 |
| 9 | 80 | 100,000 | 50,000 | 55,000 | 120,000 | 15,000 | 12.50 | 18,000 |
| 10 | 13 | 5,000 | 7,500 | 3,500 | 13,000 | 2,000 | 15.38 | 1,600 |

PAINTS AND OILS.

| | | | | | | | | |
|----|----|-----------|----------|-------------|-------------|-----------|-------|-----------|
| 1 | 56 | \$100,000 | \$50,000 | \$1,000,000 | \$1,200,000 | \$150,000 | 12.50 | \$126,000 |
| 2 | 14 | 60,000 | 5,000 | 200,000 | 300,000 | 95,000 | 31.67 | 33,600 |
| 3 | 15 | 40,000 | 7,800 | 100,000 | 200,000 | 92,200 | 46.10 | 22,400 |
| 4 | 18 | 39,000 | 9,160 | 145,765 | 180,000 | 25,075 | 13.93 | 19,800 |
| 5 | 25 | 30,000 | 12,000 | 70,000 | 100,000 | 18,000 | 18.00 | 11,800 |
| 6 | 30 | 25,000 | 18,000 | 50,000 | 85,000 | 17,000 | 20.00 | 10,000 |
| 7 | 16 | 20,000 | 6,000 | 52,000 | 78,000 | 20,000 | 25.64 | 9,000 |
| 8 | 15 | 20,000 | 5,000 | 150,000 | 200,000 | 45,000 | 22.50 | 21,000 |
| 9 | 25 | 60,000 | 12,500 | 190,000 | 250,000 | 47,500 | 19.00 | 28,600 |
| 10 | 31 | 250,000 | 16,000 | 416,000 | 525,000 | 93,000 | 17.71 | 67,500 |
| 11 | 25 | 100,000 | 9,000 | 220,000 | 325,000 | 96,000 | 29.54 | 38,500 |
| 12 | 48 | 100,000 | 31,785 | 312,500 | 392,000 | 47,715 | 12.17 | 45,200 |
| 13 | 30 | 50,000 | 8,000 | 450,000 | 637,000 | 79,000 | 14.71 | 56,700 |
| 14 | 13 | 75,000 | 6,000 | 100,000 | 115,000 | 9,000 | 7.83 | 16,000 |
| 15 | 15 | 100,000 | 6,000 | 125,000 | 140,000 | 9,000 | 6.43 | 20,000 |
| 16 | 13 | 60,000 | 5,750 | 77,880 | 113,900 | 30,270 | 26.58 | 14,990 |

Metals and Metallic Goods—Continued.

| Net profit or loss..... | Percentage of stock used of value of product..... | Percentage of wages paid of value of product..... | Percentage of interest and expenses of value of product..... | Percentage of net profit or loss of value of product..... | Average yearly product per employe..... | Average yearly net profit or loss per employe..... | Average yearly earnings of each employe | Number of establishment.. |
|-------------------------|---|---|--|---|---|--|---|---------------------------|
| —\$61,087 | 67.14 | 25.29 | 13.87 | —6.31 | \$1,613 | —\$102 | \$408 | 181 |
| —4,860 | 49.57 | 35.43 | 13.77 | —3.06 | 1,325 | —41 | 443 | 182 |
| —337,399 | 90.06 | 12.52 | 11.52 | —14.08 | 3,304 | —465 | 414 | 183 |
| 18,475 | 54.68 | 25.36 | 13.26 | 6.69 | 1,380 | 92 | 350 | 184 |
| 68,600 | 58.63 | 19.05 | 11.43 | 10.89 | 3,150 | 343 | 600 | 185 |
| —29,742 | 82.80 | 11.83 | 11.37 | —6.01 | 5,339 | —321 | 632 | 186 |
| —62,873 | 75.31 | 15.99 | 11.64 | —2.87 | 2,810 | —81 | 449 | 187 |
| 78,000 | 35.26 | 10.53 | 13.16 | 41.05 | 3,167 | 1,300 | 333 | 188 |
| —47,536 | 139.87 | 20.91 | 41.78 | 102.78 | 617 | —634 | 130 | 189 |
| 1,252,547 | 62.32 | 6.96 | 10.76 | 19.35 | 8,818 | 1,759 | 614 | 190 |
| 31,125 | 76.74 | 7.29 | 13.20 | 2.77 | 6,429 | 178 | 469 | 191 |
| 114,817 | 70.46 | 6.41 | 11.24 | 11.89 | 9,852 | 1,172 | 631 | 192 |
| 2,960 | 72.66 | 13.67 | 12.98 | 6.68 | 1,340 | 9 | 183 | 193 |
| 720 | 22.22 | 57.78 | 12.00 | 8.00 | 900 | 72 | 520 | 194 |
| 7,400 | 50.00 | 20.00 | 11.50 | 18.50 | 1,667 | 308 | 333 | 195 |
| —170 | 45.00 | 43.75 | 12.10 | —85 | 625 | —5 | 273 | 196 |
| 1,200 | 48.00 | 36.00 | 11.20 | 4.80 | 1,000 | 48 | 360 | 197 |

a Neither profit nor loss.

MUSICAL INSTRUMENTS AND MATERIALS.

| | | | | | | | | |
|----------|-------|-------|-------|-------|---------|-------|-------|----|
| \$15,000 | 50.00 | 25.00 | 12.50 | 12.50 | \$3,333 | \$417 | \$833 | 1 |
| 2,570 | 28.57 | 46.05 | 13.14 | 12.24 | 1,760 | 214 | 806 | 2 |
| 7,700 | 38.10 | 42.86 | 11.71 | 7.33 | 1,313 | 96 | 563 | 3 |
| 7,780 | 53.85 | 23.08 | 11.11 | 11.97 | 2,097 | 251 | 484 | 4 |
| 860 | 47.05 | 37.81 | 10.89 | 4.25 | 1,266 | 54 | 479 | 5 |
| 6,300 | 48.89 | 24.44 | 12.67 | 14.00 | 2,045 | 286 | 500 | 6 |
| 3,120 | 37.50 | 42.19 | 10.56 | 9.75 | 1,684 | 16 | 711 | 7 |
| 6,320 | 72.22 | 10.22 | 10.53 | 7.02 | 4,500 | 316 | 460 | 8 |
| —3,000 | 45.83 | 41.67 | 15.00 | —2.50 | 1,500 | —38 | 625 | 9 |
| 400 | 26.92 | 57.69 | 12.31 | 3.08 | 1,000 | 31 | 577 | 10 |

PAINTS AND OILS.

| | | | | | | | | |
|----------|-------|-------|-------|-------|----------|-------|-------|----|
| \$24,000 | 83.33 | 4.17 | 10.50 | 2.00 | \$21,429 | \$129 | \$893 | 1 |
| 61,400 | 66.67 | 1.67 | 11.20 | 20.47 | 21,429 | 4,346 | 357 | 2 |
| 69,300 | 50.00 | 3.90 | 11.20 | 31.90 | 13,333 | 4,653 | 520 | 3 |
| 5,275 | 80.98 | 5.09 | 11.00 | 2.93 | 10,000 | 293 | 509 | 4 |
| 6,200 | 70.00 | 12.00 | 11.80 | 6.20 | 4,000 | 248 | 480 | 5 |
| 7,000 | 58.82 | 21.18 | 11.76 | 8.24 | 2,833 | 233 | 600 | 6 |
| 11,000 | 66.67 | 7.69 | 11.54 | 14.10 | 4,875 | 688 | 375 | 7 |
| 23,300 | 75.00 | 2.50 | 10.60 | 11.90 | 13,333 | 1,587 | 333 | 8 |
| 18,900 | 76.00 | 5.00 | 11.44 | 7.56 | 10,000 | 756 | 500 | 9 |
| 25,500 | 79.24 | 3.05 | 12.86 | 4.86 | 16,335 | 823 | 516 | 10 |
| 57,500 | 67.69 | 2.77 | 11.85 | 17.69 | 13,000 | 2,300 | 360 | 11 |
| 2,515 | 79.72 | 8.11 | 11.53 | 6.64 | 8,167 | 52 | 662 | 12 |
| 22,300 | 83.80 | 1.49 | 10.56 | 4.15 | 17,900 | 743 | 267 | 13 |
| —7,000 | 86.96 | 5.22 | 13.91 | —6.09 | 8,816 | —538 | 462 | 14 |
| —11,000 | 89.29 | 4.29 | 14.29 | —7.86 | 9,300 | —733 | 400 | 15 |
| 15,250 | 68.38 | 5.05 | 13.15 | 13.42 | 8,762 | 1,175 | 442 | 16 |

PAPER.

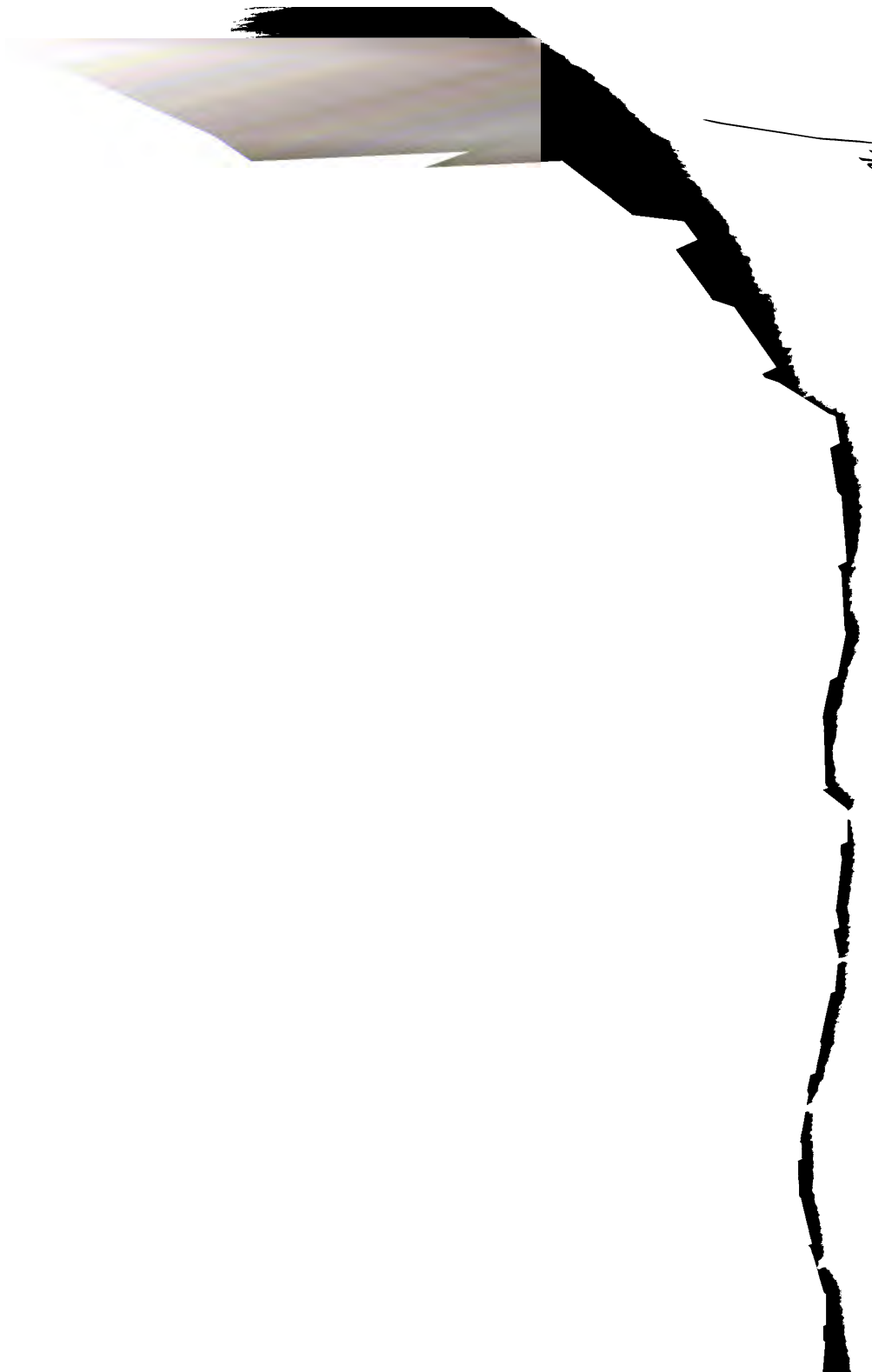
| Number of es- tablishment.. | Average num- ber of em- ployes..... | Capital invest- ed..... | Wages paid during the year..... | Stock used.... | Value of pro- duct..... | Gross profit or loss..... | Percentage of gross profit of value of pro- duct..... | Estimated in- terest and ex- penses..... |
|--------------------------------|---|----------------------------|---------------------------------------|----------------|----------------------------|------------------------------|--|--|
| 1 | 52 | \$90,000 | \$17,558 | \$45,000 | \$95,000 | \$32,442 | 34.14 | \$14,900 |
| 2 | 90 | 150,000 | 30,000 | 165,000 | 220,000 | 25,000 | 11.36 | 31,000 |
| 3 | 19 | 20,000 | 8,000 | 9,000 | 20,000 | 3,000 | 15.00 | 3,200 |
| 4 | 26 | 30,000 | 11,690 | 21,115 | 51,860 | 18,555 | 36.13 | 6,936 |
| 5 | 20 | 15,000 | 7,500 | 15,000 | 24,000 | 1,500 | 6.25 | 3,300 |
| 6 | 27 | 25,000 | 9,000 | 30,000 | 50,000 | 11,000 | 22.00 | 6,500 |
| 7 | 22 | 6,000 | 6,400 | 21,000 | 34,500 | 7,106 | 20.59 | 3,811 |
| 8 | 22 | 25,000 | 8,000 | 15,000 | 60,080 | 37,080 | 61.71 | 7,508 |
| 9 | 40 | 50,000 | 15,000 | 41,500 | 108,000 | 51,500 | 47.69 | 13,900 |
| 10 | 35 | 35,000 | 12,000 | 10,000 | 35,000 | 13,000 | 37.14 | 5,600 |
| 11 | 51 | 175,000 | 23,627 | 90,148 | 138,875 | 25,100 | 18.07 | 24,398 |
| 12 | 45 | 40,000 | 13,750 | 18,000 | 68,000 | 36,250 | 53.31 | 9,200 |
| 13 | 42 | 65,000 | 13,500 | 18,000 | 58,800 | 27,300 | 46.43 | 9,780 |
| 14 | 28 | 60,000 | 12,000 | 32,550 | 75,000 | 30,450 | 40.60 | 11,100 |
| 15 | 13 | 25,000 | 7,000 | 6,000 | 17,587 | 4,587 | 26.08 | 3,353 |
| 16 | 20 | 20,000 | 8,000 | 16,000 | 27,000 | 3,000 | 11.11 | 3,900 |
| 17 | 60 | 100,000 | 24,000 | 157,500 | 200,000 | 18,500 | 9.25 | 26,000 |
| 18 | 33 | 50,000 | 15,000 | 52,500 | 85,500 | 18,000 | 21.05 | 11,550 |
| 19 | 26 | 60,000 | 8,609 | 18,610 | 46,179 | 18,960 | 41.06 | 8,218 |
| 20 | 24 | 27,000 | 5,000 | 16,065 | 52,584 | 26,919 | 51.19 | 6,878 |
| 21 | 35 | 100,000 | 15,190 | 40,000 | 71,627 | 16,437 | 22.95 | 13,163 |
| 22 | 35 | 60,000 | 13,000 | 42,500 | 125,000 | 69,500 | 55.60 | 16,100 |

PHOTOGRAPHS AND OTHER LIKENESSES.

| | | | | | | | | |
|---|----|----------|---------|---------|----------|---------|-------|---------|
| 1 | 7 | \$10,000 | \$5,800 | \$2,000 | \$15,000 | \$7,700 | 51.33 | \$2,100 |
| 2 | 8 | 2,500 | 6,000 | 3,000 | 12,000 | 9,000 | 75.00 | 1,350 |
| 3 | 10 | 10,000 | 6,044 | 2,000 | 16,000 | 7,956 | 49.73 | 2,200 |
| 4 | 24 | 65,000 | 14,810 | 20,000 | 75,000 | 40,690 | 54.25 | 11,400 |
| 5 | 10 | 5,000 | 9,000 | 3,000 | 18,000 | 6,000 | 33.33 | 2,100 |
| 6 | 15 | 30,000 | 6,240 | 3,000 | 20,000 | 10,760 | 53.80 | 3,800 |
| 7 | 8 | 12,000 | 5,050 | 5,000 | 16,000 | 5,950 | 37.19 | 2,320 |
| 8 | 8 | 10,000 | 5,200 | 12,000 | 20,000 | 2,800 | 14.00 | 2,600 |
| 9 | 9 | 8,000 | 5,400 | 12,000 | 24,000 | 6,600 | 27.50 | 2,880 |

PRINTING AND PUBLISHING.

| | | | | | | | | |
|----|-----|-----------|-----------|-----------|-----------|-----------|-------|----------|
| 1 | 194 | \$200,000 | \$200,000 | \$175,000 | \$500,000 | \$125,000 | 25.00 | \$62,000 |
| 2 | 72 | 200,000 | 59,275 | 23,700 | 170,000 | 87,025 | 51.19 | 29,000 |
| 3 | 196 | 300,000 | 127,213 | 71,344 | 264,006 | 65,449 | 24.75 | 44,401 |
| 4 | 120 | 155,000 | 100,000 | 200,000 | 540,000 | 240,000 | 44.44 | 62,700 |
| 5 | 69 | 50,000 | 60,000 | 100,000 | 180,000 | 20,000 | 11.11 | 21,000 |
| 6 | 40 | 30,500 | 27,670 | 13,000 | 44,000 | 3,330 | 7.57 | 6,230 |
| 7 | 16 | 4,000 | 8,400 | 14,000 | 40,000 | 17,600 | 44.00 | 4,240 |
| 8 | 52 | 25,000 | 30,000 | 25,000 | 75,000 | 20,000 | 26.67 | 9,000 |
| 9 | 45 | 25,000 | 34,000 | 40,000 | 110,000 | 36,000 | 32.73 | 12,500 |
| 10 | 108 | 40,000 | 50,000 | 50,000 | 108,000 | 8,000 | 7.41 | 13,200 |
| 11 | 8 | 54,500 | 5,760 | 23,733 | 33,500 | 4,007 | 11.96 | 6,630 |
| 12 | 6 | 800 | 5,000 | 12,000 | 25,000 | 8,000 | 32.00 | 2,548 |
| 13 | 14 | 35,000 | 7,510 | 6,700 | 32,000 | 17,790 | 55.59 | 5,300 |
| 14 | 7 | 20,000 | 5,000 | 10,000 | 20,000 | 5,000 | 25.00 | 3,200 |
| 15 | 31 | 10,000 | 11,500 | 10,000 | 35,000 | 13,500 | 38.57 | 4,100 |
| 16 | 25 | 10,000 | 12,000 | 6,000 | 40,000 | 22,000 | 55.00 | 4,600 |
| 17 | 9 | 10,000 | 5,512 | 2,159 | 24,500 | 16,829 | 68.69 | 3,050 |
| 18 | 6 | 10,000 | 5,400 | 6,000 | 30,000 | 18,600 | 62.00 | 3,600 |
| 19 | 17 | 8,500 | 5,200 | 6,500 | 14,000 | 2,240 | 16.00 | 1,910 |
| 20 | 16 | 15,000 | 11,000 | 17,000 | 37,000 | 9,000 | 24.32 | 4,600 |



Printing and Publishing—Continued.

| Number of es- tablishment.. | Average num- ber of em- ployes | Capital invest- ed..... | Wages paid during the year | Stock used | Value of pro- duct | Gross profit or loss..... | Percentage of gross profit of value of pro- duct | Estimated In- terest and ex- penses..... |
|--------------------------------|--|----------------------------|--|------------------|-----------------------------|------------------------------|---|--|
| 21 | 16 | \$5,000 | \$8,215 | \$4,200 | \$14,000 | 1,585 | 11.32 | \$1,700 |
| 22 | 21 | 12,000 | 12,240 | 21,500 | 48,000 | 14,260 | 29.71 | 5,520 |
| 23 | 129 | 3,000 | 19,000 | 3,000 | 25,000 | 3,000 | 12.00 | 2,680 |
| 24 | 50 | 30,000 | 22,000 | 30,000 | 65,000 | 13,000 | 20.00 | 8,300 |
| 25 | 40 | 20,000 | 15,000 | 12,000 | 38,000 | 10,000 | 26.32 | 5,000 |
| 26 | 32 | 15,000 | 8,750 | 7,000 | 20,000 | 4,250 | 21.25 | 2,900 |
| 27 | 32 | 10,000 | 15,000 | 12,000 | 35,000 | 8,000 | 22.86 | 4,100 |
| 28 | 16 | 3,600 | 5,000 | 4,500 | 12,000 | 2,500 | 20.83 | 1,380 |
| 29 | 14 | 15,000 | 6,500 | 12,000 | 22,000 | 3,500 | 15.91 | 3,100 |
| 30 | 38 | 30,000 | 16,355 | 30,000 | 60,000 | 13,645 | 22.74 | 7,800 |
| 31 | 33 | 8,000 | 15,000 | 5,000 | 33,000 | 13,000 | 39.39 | 3,780 |
| 32 | 23 | 20,000 | 15,000 | 30,000 | 60,000 | 15,000 | 25.00 | 7,200 |
| 33 | 20 | 25,000 | 12,000 | 15,000 | 37,000 | 10,000 | 27.03 | 5,200 |
| 34 | 28 | 25,000 | 16,400 | 24,509 | 54,861 | 13,952 | 25.43 | 6,986 |
| 35 | 90 | 40,000 | 41,000 | 8,000 | 57,000 | 8,000 | 14.04 | 8,100 |
| 36 | 85 | 100,000 | 52,000 | 57,000 | 141,000 | 32,000 | 22.70 | 20,100 |
| 37 | 10 | 5,000 | 8,736 | 15,600 | 39,336 | 15,000 | 38.13 | 4,234 |
| 38 | 17 | 17,000 | 14,040 | 16,000 | 35,000 | 4,960 | 14.17 | 4,520 |
| 39 | 15 | 10,000 | 7,800 | 6,000 | 25,000 | 11,200 | 44.80 | 3,100 |
| 40 | 21 | 22,500 | 7,500 | 9,500 | 19,560 | 2,560 | 13.09 | 3,306 |
| 41 | 17 | 7,000 | 10,000 | 12,000 | 29,000 | 7,000 | 24.14 | 3,320 |
| 42 | 44 | 42,500 | 24,700 | 42,000 | 95,000 | 26,300 | 29.79 | 12,050 |
| 43 | 40 | 156,000 | 36,000 | 60,000 | 135,000 | 39,000 | 28.89 | 22,560 |
| 44 | 25 | 40,000 | 17,500 | 20,000 | 50,000 | 12,500 | 25.00 | 7,400 |
| 45 | 25 | 20,000 | 11,000 | 20,000 | 50,000 | 19,000 | 38.00 | 6,200 |
| 46 | 19 | 10,000 | 9,360 | 15,000 | 38,000 | 13,640 | 35.89 | 4,400 |
| 47 | 18 | 10,000 | 6,000 | 10,000 | 20,000 | 4,000 | 20.00 | 2,600 |
| 48 | 66 | 42,000 | 19,809 | 38,500 | 62,886 | 4,577 | 7.28 | 8,809 |
| 49 | 50 | 20,000 | 18,000 | 15,000 | 50,000 | 17,000 | 34.00 | 6,200 |
| 50 | 211 | 175,000 | 113,500 | 210,000 | 350,000 | 26,500 | 7.57 | 45,500 |
| 51 | 24 | 5,000 | 10,000 | 5,000 | 20,000 | 5,000 | 25.00 | 2,300 |
| 52 | 10 | 12,000 | 6,000 | 15,000 | 37,000 | 16,000 | 43.24 | 4,420 |
| 53 | 20 | 2,500 | 6,700 | 2,500 | 9,700 | 500 | 5.15 | 1,120 |
| 54 | 70 | 35,000 | 40,000 | 37,000 | 100,000 | 23,000 | 23.00 | 12,100 |
| 55 | 90 | 30,000 | 30,000 | 20,000 | 60,000 | 10,000 | 16.67 | 7,800 |
| 56 | 21 | 4,500 | 6,947 | 4,125 | 16,875 | 5,803 | 34.39 | 1,958 |
| 57 | 42 | 20,000 | 15,000 | 30,000 | 60,000 | 15,000 | 25.00 | 7,200 |
| 58 | 60 | 45,000 | 21,000 | 23,000 | 75,000 | 31,000 | 41.33 | 10,200 |
| 59 | 240 | 200,000 | 132,111 | 198,396 | 453,064 | 122,557 | 27.05 | 57,806 |
| 60 | 115 | 35,000 | 50,000 | 155,000 | 240,000 | 35,000 | 14.58 | 26,100 |
| 61 | 20 | 3,500 | 6,000 | 3,500 | 10,000 | 500 | 5.00 | 1,210 |
| 62 | 12 | 4,000 | 5,500 | 5,000 | 15,000 | 4,500 | 30.00 | 1,740 |
| 63 | 11 | 10,000 | 5,000 | 6,500 | 15,000 | 3,500 | 23.33 | 2,100 |
| 64 | 12 | 8,000 | 5,750 | 6,000 | 15,000 | 3,250 | 21.67 | 1,990 |
| 65 | 11 | 1,500 | 6,200 | 1,800 | 10,000 | 2,000 | 20.00 | 1,090 |
| 66 | 100 | 80,000 | 50,000 | 80,000 | 150,000 | 20,000 | 13.33 | 19,800 |
| 67 | 91 | 75,000 | 45,000 | 140,000 | 220,000 | 35,000 | 15.91 | 26,500 |
| 68 | 100 | 75,000 | 41,000 | 17,000 | 97,600 | 39,600 | 40.57 | 14,260 |
| 69 | 44 | 60,000 | 37,700 | 66,560 | 94,700 | -9,560 | -10.10 | 13,070 |
| 70 | 60 | 40,000 | 39,600 | 19,500 | 80,000 | 20,900 | 26.13 | 10,400 |
| 71 | 30 | 35,000 | 12,000 | 30,000 | 50,000 | 8,000 | 16.00 | 7,100 |
| 72 | 19 | 30,000 | 9,728 | 22,000 | 35,000 | 3,272 | 9.35 | 5,300 |
| 73 | 15 | 20,000 | 10,000 | 10,000 | 30,000 | 10,000 | 33.33 | 4,200 |
| 74 | 22 | 15,000 | 10,000 | 40,000 | 60,000 | 10,000 | 16.67 | 6,900 |
| 75 | 11 | 10,000 | 10,000 | 10,000 | 30,000 | 10,000 | 33.33 | 3,600 |
| 76 | 22 | 6,000 | 10,400 | 8,000 | 28,000 | 9,600 | 34.29 | 3,160 |
| 77 | 7 | 2,000 | 5,533 | 1,500 | 12,000 | 4,967 | 41.39 | 1,320 |
| 78 | 10 | 5,000 | 10,000 | 1,500 | 25,000 | 13,500 | 54.00 | 2,800 |
| 79 | 10 | 4,000 | 6,600 | 1,000 | 12,000 | 4,400 | 36.67 | 1,440 |
| 80 | 20 | 10,000 | 12,000 | 5,000 | 30,000 | 13,000 | 43.33 | 3,600 |
| 81 | 10 | 10,000 | 10,000 | 500 | 15,000 | 4,500 | 30.00 | 2,100 |
| 82 | 15 | 8,000 | 8,750 | 9,500 | 25,000 | 6,750 | 27.00 | 2,920 |
| 83 | 10 | 12,000 | 5,500 | 6,000 | 18,000 | 6,500 | 36.11 | 2,520 |
| 84 | 20 | 5,000 | 10,000 | 10,000 | 30,000 | 10,000 | 33.33 | 6,000 |
| 85 | 78 | 100,000 | 47,100 | 65,902 | 163,540 | 50,538 | 30.90 | 22,354 |

Printing and Publishing—Continued.

| Net profit or loss | Percentage of stock used of value of product | Percentage of wages paid of value of product | Percentage of interest and expenses of value of product | Percentage of net profit or loss of value of product..... | Average yearly product, per employe..... | Average yearly net profit or loss per employe | Average yearly earnings of each employe | Number of establishments..... |
|--------------------------|--|--|---|---|--|---|---|-------------------------------|
| -\$115 | 30.00 | 58.68 | 12.14 | -.82 | \$875 | -\$7 | \$513 | 21 |
| 8,740 | 44.79 | 25.50 | 11.50 | 18.21 | 2,286 | 416 | 583 | 22 |
| 320 | 12.00 | 76.00 | 10.72 | 1.58 | 208 | 3 | 158 | 23 |
| 4,700 | 46.15 | 33.85 | 12.77 | 7.23 | 1,300 | 94 | 440 | 24 |
| 5,000 | 31.53 | 42.11 | 13.16 | 13.16 | 950 | 125 | 400 | 25 |
| 1,350 | 35.00 | 43.75 | 14.50 | 6.75 | 1,000 | 68 | 438 | 26 |
| 3,900 | 34.29 | 42.86 | 11.71 | 11.14 | 1,094 | 122 | 469 | 27 |
| 1,120 | 37.50 | 41.67 | 11.50 | 9.33 | 750 | 70 | 313 | 28 |
| 400 | 54.55 | 29.55 | 14.09 | 1.82 | 1,571 | 29 | 464 | 29 |
| 5,845 | 50.00 | 27.26 | 13.00 | 9.74 | 1,579 | 154 | 430 | 30 |
| 9,220 | 15.15 | 45.45 | 11.45 | 27.91 | 1,000 | 279 | 455 | 31 |
| 7,800 | 50.00 | 25.00 | 12.00 | 13.00 | 2,609 | 339 | 652 | 32 |
| 4,800 | 40.54 | 32.43 | 14.05 | 12.97 | 1,850 | 240 | 600 | 33 |
| 6,966 | 44.67 | 29.89 | 12.73 | 12.70 | 1,959 | 249 | 586 | 34 |
| -100 | 14.04 | 71.93 | 14.21 | -18 | 633 | -1 | 456 | 35 |
| 11,900 | 40.43 | 36.88 | 14.26 | 8.44 | 1,659 | 140 | 612 | 36 |
| 10,766 | 39.66 | 22.21 | 10.76 | 27.37 | 3,934 | 1,077 | 874 | 37 |
| 440 | 45.71 | 40.11 | 12.92 | 1.26 | 2,059 | 26 | 826 | 38 |
| 8,100 | 24.00 | 51.20 | 12.40 | 32.40 | 1,667 | 540 | 520 | 39 |
| -746 | 48.57 | 38.34 | 16.90 | -3.81 | 931 | -36 | 357 | 40 |
| 3,680 | 41.38 | 34.48 | 11.45 | 12.69 | 1,706 | 216 | 588 | 41 |
| 16,250 | 44.21 | 26.00 | 12.68 | 17.11 | 2,159 | 369 | 561 | 42 |
| 16,140 | 44.44 | 26.67 | 16.93 | 11.96 | 3,375 | 404 | 900 | 43 |
| 5,100 | 40.00 | 35.00 | 14.80 | 10.20 | 2,000 | 204 | 700 | 44 |
| 12,800 | 40.00 | 22.00 | 12.40 | 25.60 | 2,000 | 512 | 440 | 45 |
| 9,240 | 39.47 | 24.63 | 11.58 | 24.32 | 2,000 | 486 | 493 | 46 |
| 1,900 | 50.00 | 30.00 | 13.00 | 7.00 | 1,111 | 78 | 333 | 47 |
| -4,232 | 61.22 | 31.50 | 14.01 | -6.73 | 953 | -64 | 300 | 48 |
| 10,800 | 30.00 | 56.00 | 12.40 | 21.60 | 1,000 | 216 | 360 | 49 |
| -19,000 | 60.00 | 32.43 | 13.00 | -5.43 | 1,659 | -90 | 538 | 50 |
| 2,700 | 25.00 | 50.00 | 11.50 | 13.50 | 833 | 113 | 417 | 51 |
| 11,580 | 40.54 | 16.22 | 11.95 | 31.30 | 3,704 | 1,158 | 600 | 52 |
| -620 | 25.77 | 69.07 | 11.55 | -6.39 | 485 | -31 | 335 | 53 |
| 10,900 | 37.00 | 40.00 | 12.10 | 10.90 | 1,429 | 156 | 571 | 54 |
| 2,200 | 33.33 | 50.00 | 13.00 | 3.67 | 667 | 24 | 333 | 55 |
| 3,845 | 24.44 | 41.17 | 11.60 | 22.78 | 804 | 183 | 331 | 56 |
| 7,800 | 50.00 | 25.00 | 12.00 | 13.00 | 1,429 | 186 | 367 | 57 |
| 20,800 | 30.67 | 28.00 | 13.60 | 27.73 | 1,250 | 347 | 350 | 58 |
| 65,251 | 43.79 | 29.16 | 12.65 | 14.40 | 1,888 | 272 | 550 | 59 |
| 8,900 | 64.58 | 20.83 | 10.85 | 3.71 | 2,087 | 77 | 435 | 60 |
| -710 | 35.00 | 60.00 | 12.10 | -7.10 | 500 | -36 | 300 | 61 |
| 2,760 | 33.33 | 36.67 | 11.60 | 18.40 | 1,250 | 230 | 458 | 62 |
| 1,400 | 43.33 | 33.33 | 14.00 | 9.33 | 1,304 | 127 | 455 | 63 |
| 1,270 | 40.00 | 38.33 | 13.20 | 8.47 | 1,250 | 106 | 479 | 64 |
| 910 | 18.00 | 62.00 | 10.90 | 9.10 | 909 | 83 | 564 | 65 |
| 200 | 53.33 | 33.33 | 13.20 | 13 | 1,500 | 2 | 500 | 66 |
| 8,500 | 65.64 | 20.45 | 12.05 | 3.86 | 2,418 | 93 | 495 | 67 |
| 25,946 | 17.42 | 42.01 | 14.61 | 25.96 | 976 | 253 | 410 | 68 |
| -22,630 | 70.29 | 39.81 | 13.80 | -23.90 | 2,152 | -514 | 857 | 69 |
| 10,500 | 24.38 | 49.50 | 13.00 | 13.13 | 1,333 | 175 | 600 | 70 |
| 900 | 60.00 | 24.00 | 14.20 | 1.80 | 1,667 | 30 | 400 | 71 |
| -2,628 | 62.86 | 27.79 | 15.14 | -5.79 | 1,842 | -107 | 512 | 72 |
| 5,800 | 31.33 | 33.33 | 14.00 | 19.33 | 2,000 | 387 | 667 | 73 |
| 3,100 | 66.67 | 16.67 | 11.50 | 5.17 | 2,727 | 141 | 450 | 74 |
| 6,400 | 33.33 | 33.33 | 12.00 | 21.33 | 2,727 | 582 | 909 | 75 |
| 6,440 | 28.57 | 37.14 | 11.29 | 23.00 | 1,273 | 293 | 473 | 76 |
| 3,647 | 12.50 | 46.11 | 11.00 | 30.39 | 1,714 | 521 | 700 | 77 |
| 10,700 | 6.00 | 40.00 | 11.20 | 42.80 | 2,500 | 1,070 | 1,000 | 78 |
| 2,920 | 8.33 | 55.00 | 12.00 | 24.67 | 1,200 | 296 | 650 | 79 |
| 9,400 | 16.67 | 40.00 | 12.00 | 31.33 | 1,500 | 470 | 600 | 80 |
| 2,400 | 3.33 | 66.67 | 14.00 | 16.00 | 1,500 | 240 | 1,000 | 81 |
| 3,770 | 39.00 | 35.00 | 11.92 | 15.08 | 1,667 | 251 | 583 | 82 |
| 3,980 | 33.33 | 30.56 | 14.00 | 22.11 | 1,800 | 398 | 550 | 83 |
| 4,000 | 33.33 | 33.33 | 20.00 | 13.33 | 1,500 | 200 | 500 | 84 |
| 28,184 | 40.50 | 28.80 | 13.67 | 17.23 | 2,097 | 361 | 604 | 85 |

Printing and Publishing—Continued.

| Number of establishment.. | Average number of employees..... | Capital invested..... | Wages paid during the year..... | Stock used.... | Value of product..... | Gross profit or loss..... | Percentage of gross profit of value of product..... | Estimated interest and expenses..... |
|---------------------------|----------------------------------|-----------------------|---------------------------------|----------------|-----------------------|---------------------------|---|--------------------------------------|
| 86 | 24 | \$35,000 | \$15,000 | \$21,000 | \$60,000 | \$24,000 | 40.00 | \$8,100 |
| 87 | 26 | 10,000 | 9,000 | 5,000 | 18,000 | 4,000 | 22.22 | 2,400 |
| 88 | 19 | 5,000 | 10,772 | 6,000 | 33,000 | 16,228 | 49.18 | 3,600 |
| 89 | 75 | 50,000 | 55,155 | 30,472 | 114,747 | 29,120 | 25.38 | 14,475 |
| 90 | 12 | 6,000 | 5,800 | 2,800 | 12,000 | 3,400 | 28.33 | 1,560 |
| 91 | 42 | 13,000 | 26,000 | 13,000 | 45,000 | 7,000 | 15.56 | 5,280 |
| 92 | 16 | 10,000 | 7,500 | 4,579 | 19,378 | 7,299 | 37.67 | 2,538 |
| 93 | 15 | 10,000 | 6,500 | 6,000 | 20,000 | 7,500 | 37.50 | 2,600 |
| 94 | 18 | 15,000 | 6,289 | 2,913 | 14,283 | 5,081 | 35.57 | 2,328 |
| 95 | 20 | 20,000 | 15,000 | 20,000 | 40,000 | 5,000 | 12.50 | 5,200 |
| 96 | 14 | 10,000 | 5,300 | 5,000 | 18,000 | 7,700 | 42.78 | 2,400 |
| 97 | 20 | 12,000 | 10,000 | 6,000 | 40,000 | 24,000 | 60.00 | 4,720 |
| 98 | 18 | 12,000 | 5,500 | 2,000 | 10,200 | 2,700 | 26.47 | 1,740 |
| 99 | 20 | 15,000 | 9,500 | 2,500 | 15,000 | 3,000 | 20.00 | 2,400 |
| 100 | 15 | 5,000 | 5,725 | 6,900 | 18,500 | 5,875 | 31.76 | 2,150 |
| 101 | 30 | 12,000 | 9,000 | 15,000 | 30,000 | 6,000 | 20.00 | 3,720 |
| 102 | 13 | 10,000 | 6,000 | 3,000 | 12,000 | 3,000 | 25.00 | 1,800 |
| 103 | 12 | 4,500 | 8,000 | 4,500 | 17,000 | 4,500 | 26.47 | 1,970 |
| 104 | 8 | 1,000 | 5,000 | 1,560 | 11,880 | 5,320 | 44.78 | 1,248 |
| 105 | 51 | 25,000 | 25,000 | 5,000 | 35,000 | 5,000 | 14.29 | 5,000 |
| 106 | 35 | 25,000 | 15,000 | 7,000 | 35,000 | 13,000 | 37.14 | 5,000 |
| 107 | 16 | 20,000 | 5,025 | 7,500 | 16,000 | 3,475 | 21.72 | 2,800 |
| 108 | 30 | 12,500 | 7,050 | 5,380 | 14,980 | 2,570 | 17.16 | 2,243 |
| 109 | 11 | 10,000 | 5,000 | 2,000 | 8,000 | 1,000 | 12.50 | 1,400 |
| 110 | 11 | 32,000 | 5,000 | 2,500 | 10,000 | 2,500 | 25.00 | 2,920 |
| 111 | 25 | 20,000 | 7,500 | 5,000 | 20,000 | 7,500 | 37.50 | 3,200 |
| 112 | 65 | 20,000 | 10,000 | 6,000 | 20,000 | 4,000 | 20.00 | 3,200 |
| 113 | 44 | 18,000 | 22,100 | 5,550 | 51,000 | 23,350 | 45.78 | 6,180 |
| 114 | 28 | 5,000 | 9,600 | 4,000 | 16,000 | 2,400 | 15.00 | 1,900 |
| 115 | 29 | 15,000 | 13,500 | 6,950 | 26,000 | 5,550 | 21.35 | 3,500 |
| 116 | 17 | 10,000 | 6,500 | 10,000 | 20,000 | 3,500 | 17.50 | 2,600 |
| 117 | 35 | 30,000 | 15,623 | 12,300 | 51,000 | 23,077 | 45.25 | 6,900 |
| 118 | 24 | 11,000 | 5,600 | 1,125 | 7,250 | 525 | 7.24 | 1,385 |
| 119 | 15 | 18,500 | 8,000 | 7,000 | 22,000 | 7,000 | 31.82 | 3,310 |
| 120 | 19 | 9,000 | 7,500 | 5,000 | 15,000 | 2,500 | 16.67 | 2,040 |
| 121 | 19 | 3,500 | 6,000 | 4,000 | 10,000 | a — | a — | 1,210 |
| 122 | 12 | 20,000 | 5,400 | 3,500 | 11,500 | 2,600 | 22.61 | 2,350 |
| 123 | 31 | 20,000 | 16,120 | 24,000 | 48,000 | 7,880 | 16.42 | 6,000 |

a Neither profit nor loss.

RAILROAD AND OTHER CARS AND MATERIALS.

| | | | | | | | | |
|----|-----|-----------|----------|-----------|-----------|----------|--------|----------|
| 1 | 120 | \$150,000 | \$61,363 | \$285,950 | \$404,002 | \$56,689 | 14.03 | \$49,400 |
| 2 | 30 | 50,000 | 23,500 | 206,500 | 270,000 | 40,000 | 14.81 | 30,000 |
| 3 | 140 | 75,000 | 50,000 | 250,000 | 250,000 | -50,000 | -20.00 | 29,500 |
| 4 | 14 | 12,000 | 6,600 | 21,500 | 30,000 | 1,900 | 6.33 | 3,720 |
| 5 | 430 | 200,000 | 200,000 | 1,250,000 | 1,600,000 | 150,000 | 9.38 | 172,000 |
| 6 | 20 | 40,000 | 13,000 | 17,000 | 30,000 | a — | a — | 5,400 |
| 7 | 100 | 60,000 | 67,500 | 25,000 | 92,500 | a — | a — | 12,850 |
| 8 | 72 | 51,500 | 36,435 | 31,865 | 70,500 | 2,200 | 3.12 | 10,140 |
| 9 | 20 | 20,000 | 13,500 | 7,500 | 21,000 | a — | a — | 3,300 |
| 10 | 40 | 10,000 | 17,000 | 75,000 | 100,000 | 8,000 | 8.00 | 10,600 |
| 11 | 35 | 75,000 | 22,800 | 5,100 | 40,000 | 12,100 | 30.24 | 8,500 |
| 12 | 380 | 300,000 | 155,000 | 1,000,000 | 1,200,000 | 45,000 | 3.75 | 138,000 |
| 13 | 124 | 50,000 | 35,000 | 200,000 | 300,000 | 65,000 | 21.67 | 33,000 |
| 14 | 51 | 40,000 | 28,000 | 65,000 | 107,000 | 14,000 | 13.08 | 13,100 |

a Neither profit nor loss.

Printing and Publishing—Continued.

| Net profit or loss..... | Percentage of stock used of value of product..... | Percentage of value paid of value of product..... | Percentage of interest and expenses of value of product..... | Percentage of net profit or loss of value of product.... | Average yearly product per employe..... | Average yearly net profit or loss per employe..... | Average yearly earnings of each employe | Number of establishments... |
|-------------------------|---|---|--|--|---|--|---|-----------------------------|
| \$15,900 | 35.00 | 25.00 | 13.50 | 26.50 | \$2,500 | \$663 | \$625 | 86 |
| 1,600 | 27.78 | 50.00 | 13.33 | 8.89 | 692 | 62 | 346 | 87 |
| 12,628 | 18.18 | 32.64 | 10.91 | 93.27 | 1,737 | 665 | 567 | 88 |
| 14,645 | 26.56 | 48.07 | 12.61 | 12.76 | 1,530 | 195 | 795 | 89 |
| 1,840 | 23.33 | 48.33 | 13.00 | 15.33 | 1,000 | 153 | 483 | 90 |
| 1,720 | 26.67 | 57.78 | 11.73 | 3.82 | 1,071 | 41 | 619 | 91 |
| 4,761 | 23.63 | 38.70 | 13.10 | 24.57 | 1,211 | 298 | 469 | 92 |
| 4,900 | 30.00 | 32.50 | 13.00 | 24.50 | 1,333 | 327 | 433 | 93 |
| 2,753 | 20.39 | 44.03 | 16.30 | 19.27 | 794 | 153 | 349 | 94 |
| —200 | 50.00 | 37.50 | 13.00 | —50 | 2,000 | —10 | 750 | 95 |
| 5,300 | 27.78 | 29.44 | 13.33 | 29.44 | 1,295 | 379 | 307 | 96 |
| 19,280 | 15.00 | 25.00 | 11.80 | 48.20 | 2,000 | 964 | 500 | 97 |
| 960 | 19.61 | 53.92 | 17.06 | 9.42 | 567 | 53 | 306 | 98 |
| 600 | 16.67 | 63.33 | 16.00 | 4.00 | 750 | 30 | 475 | 99 |
| 3,725 | 37.30 | 30.95 | 11.62 | 20.14 | 1,253 | 248 | 382 | 100 |
| 2,280 | 50.00 | 30.00 | 12.40 | 7.60 | 1,000 | 76 | 300 | 101 |
| 1,500 | 25.00 | 50.00 | 15.00 | 10.00 | 923 | 92 | 462 | 102 |
| 2,530 | 28.47 | 47.06 | 11.59 | 14.88 | 1,417 | 211 | 667 | 103 |
| 4,072 | 13.13 | 42.09 | 10.51 | 34.28 | 1,485 | 509 | 625 | 104 |
| a | 14.29 | 71.43 | 14.29 | a | 686 | a | 490 | 105 |
| 8,000 | 20.00 | 42.86 | 14.29 | 22.86 | 1,000 | 229 | 429 | 106 |
| 675 | 46.88 | 31.41 | 17.50 | 4.22 | 1,067 | 45 | 535 | 107 |
| 3,22 | 35.78 | 47.06 | 15.01 | 2.15 | 499 | 11 | 235 | 108 |
| —100 | 25.00 | 62.50 | 17.50 | —5.00 | 727 | —36 | 455 | 109 |
| —420 | 25.00 | 50.00 | 29.20 | —4.20 | 909 | —38 | 455 | 110 |
| 4,300 | 25.00 | 37.50 | 16.00 | 21.50 | 800 | 172 | 300 | 111 |
| 800 | 30.00 | 50.00 | 16.00 | 4.00 | 308 | 12 | 154 | 112 |
| 17,170 | 10.88 | 43.33 | 12.12 | 33.67 | 1,159 | 390 | 502 | 113 |
| 500 | 25.00 | 60.00 | 11.88 | 3.13 | 571 | 18 | 343 | 114 |
| 2,050 | 26.73 | 51.92 | 13.46 | 7.88 | 897 | 71 | 466 | 115 |
| 900 | 50.00 | 32.50 | 13.00 | 4.50 | 1,176 | 53 | 382 | 116 |
| 16,177 | 24.12 | 39.63 | 13.53 | 31.72 | 1,457 | 462 | 446 | 117 |
| —860 | 15.52 | 77.24 | 19.10 | —11.86 | 302 | —36 | 233 | 118 |
| 3,690 | 31.82 | 36.36 | 15.05 | 16.77 | 1,467 | 246 | 533 | 119 |
| 460 | 33.33 | 50.00 | 13.60 | 3.07 | 789 | 24 | 395 | 120 |
| —1,210 | 40.00 | 60.00 | 12.10 | —12.10 | 526 | —64 | 316 | 121 |
| 250 | 30.43 | 46.96 | 20.43 | 2.17 | 953 | 21 | 450 | 122 |
| 1,880 | 50.00 | 33.58 | 12.50 | 3.92 | 1,548 | 61 | 520 | 123 |

a Neither profit nor loss.

RAILROAD AND OTHER CARS AND MATERIALS.

| | | | | | | | | |
|---------|--------|-------|-------|--------|---------|------|-------|----|
| \$7,289 | 70.78 | 15.19 | 12.23 | 1.80 | \$3,367 | \$61 | \$511 | 1 |
| 10,000 | 76.48 | 8.70 | 11.11 | 3.70 | 9,000 | 333 | 783 | 2 |
| —79,500 | 100.00 | 20.00 | 11.80 | —31.80 | 1,786 | —568 | 357 | 3 |
| —1,820 | 71.67 | 22.00 | 12.10 | —6.07 | 1,875 | —114 | 413 | 4 |
| —22,000 | 78.13 | 12.50 | 10.75 | —1.38 | 3,721 | —51 | 465 | 5 |
| —5,400 | 56.67 | 43.33 | 18.00 | —18.00 | 1,500 | —270 | 650 | 6 |
| —12,850 | 27.03 | 72.97 | 13.89 | —13.89 | 925 | —129 | 675 | 7 |
| —7,940 | 45.00 | 51.68 | 14.38 | —11.26 | 979 | —110 | 506 | 8 |
| —3,300 | 35.71 | 64.29 | 15.71 | —15.71 | 1,050 | —165 | 675 | 9 |
| —2,600 | 75.00 | 17.00 | 10.60 | —2.60 | 2,500 | —65 | 425 | 10 |
| 3,600 | 12.75 | 57.00 | 21.25 | 9.00 | 1,143 | 103 | 651 | 11 |
| —81,000 | 83.33 | 12.92 | 11.50 | —7.75 | 3,158 | —245 | 408 | 12 |
| 32,000 | 66.67 | 11.67 | 11.00 | 10.67 | 2,419 | 258 | 282 | 13 |
| 900 | 60.75 | 26.17 | 12.24 | .84 | 2,098 | 18 | 549 | 14 |

SOAPS.

| Number of es- tablishment.. | Average num- ber of em- ployees..... | Capital invest- ed..... | Wages paid during the year..... | Stock used.... | Value of pro- duct..... | Gross profit or loss..... | Percentage of gross profit of value of pro- duct..... | Estimated in- terest and ex- penses..... |
|--------------------------------|--|----------------------------|---------------------------------------|----------------|----------------------------|------------------------------|--|--|
| 1 | 250 | \$800,000 | \$81,000 | \$1,900,000 | \$2,100,000 | \$119,000 | 5.67 | \$258,000 |
| 2 | 30 | 60,000 | 20,000 | 49,500 | 90,000 | 20,500 | 22.78 | 12,600 |
| 3 | 12 | 50,000 | 6,500 | 35,000 | 65,000 | 23,500 | 36.15 | 9,500 |
| 4 | 30 | 50,000 | 13,000 | 110,000 | 140,000 | 17,000 | 12.14 | 17,000 |
| 5 | 45 | 50,000 | 15,000 | 450,000 | 500,000 | 35,000 | 7.00 | 53,000 |
| 6 | 43 | 40,000 | 20,142 | 149,000 | 184,500 | 15,358 | 8.32 | 20,850 |
| 7 | 10 | 15,000 | 6,260 | 18,000 | 30,000 | 5,740 | 19.13 | 3,900 |
| 8 | 12 | 10,000 | 6,000 | 3,600 | 12,000 | 2,400 | 20.00 | 1,800 |
| 9 | 9 | 10,000 | 5,000 | 29,000 | 45,000 | 11,000 | 24.44 | 5,100 |
| 10 | 15 | 40,000 | 5,000 | 42,000 | 70,000 | 23,000 | 32.86 | 9,400 |

STONE.

| | | | | | | | | |
|----|-----|---------|----------|----------|----------|---------|-------|---------|
| 1 | 50 | \$5,000 | \$10,300 | \$21,500 | \$33,300 | \$1,500 | 4.50 | \$3,630 |
| 2 | 90 | 175,000 | 51,000 | 155,000 | 230,000 | 24,000 | 10.43 | 33,500 |
| 3 | 40 | 30,000 | 21,000 | 22,600 | 47,600 | 4,000 | 8.40 | 6,560 |
| 4 | 50 | 30,000 | 34,432 | 23,000 | 60,000 | 2,568 | 4.28 | 7,900 |
| 5 | 100 | 30,000 | 25,000 | 28,000 | 70,000 | 17,000 | 24.29 | 8,800 |
| 6 | 120 | 25,000 | 70,000 | 42,000 | 150,000 | 38,000 | 25.33 | 16,500 |
| 7 | 60 | 12,000 | 19,872 | 15,000 | 39,100 | 4,228 | 10.81 | 4,630 |
| 8 | 35 | 6,000 | 21,694 | 12,000 | 40,421 | 6,737 | 16.67 | 4,402 |
| 9 | 14 | 4,500 | 10,046 | 4,000 | 18,000 | 9,864 | 21.97 | 2,970 |
| 10 | 27 | 4,000 | 19,375 | 8,600 | 28,550 | 575 | 2.01 | 3,095 |
| 11 | 25 | 4,000 | 17,980 | 10,000 | 36,000 | 8,020 | 22.28 | 3,840 |
| 12 | 25 | 4,000 | 8,707 | 8,000 | 19,377 | 2,670 | 13.78 | 2,178 |
| 13 | 22 | 3,000 | 6,800 | 4,700 | 12,000 | 500 | 4.17 | 1,380 |
| 14 | 10 | 1,500 | 5,750 | 2,000 | 9,000 | 1,250 | 14.00 | 990 |
| 15 | 12 | 1,000 | 8,320 | 3,600 | 16,000 | 4,080 | 25.50 | 1,660 |
| 16 | 40 | 40,000 | 20,000 | 50,000 | 100,000 | 30,000 | 30.00 | 12,400 |
| 17 | 15 | 35,000 | 7,152 | 68,000 | 80,000 | 4,850 | 6.06 | 10,100 |
| 18 | 40 | 15,000 | 22,000 | 20,000 | 56,000 | 14,000 | 25.00 | 6,500 |
| 19 | 24 | 10,000 | 12,000 | 12,000 | 35,000 | 11,000 | 31.43 | 4,100 |
| 20 | 15 | 7,000 | 7,500 | 12,000 | 24,000 | 4,500 | 18.75 | 2,820 |
| 21 | 16 | 6,000 | 6,860 | 30,000 | 51,504 | 14,644 | 28.43 | 5,510 |
| 22 | 18 | 3,000 | 5,000 | 2,400 | 10,000 | 2,600 | 26.00 | 1,180 |
| 23 | 7 | 3,000 | 5,000 | 1,708 | 6,837 | 129 | 1.89 | 864 |
| 24 | 12 | 15,000 | 10,400 | 10,200 | 25,000 | 4,400 | 17.60 | 3,400 |
| 25 | 13 | 4,000 | 6,200 | 6,165 | 15,000 | 2,635 | 17.57 | 1,740 |
| 26 | 12 | 4,000 | 8,640 | 5,000 | 20,000 | 6,360 | 31.80 | 2,240 |
| 27 | 7 | 3,000 | 5,134 | 2,000 | 13,000 | 5,866 | 45.12 | 1,480 |
| 28 | 10 | 6,000 | 6,000 | 10,000 | 22,000 | 6,000 | 27.27 | 2,560 |
| 29 | 10 | 5,000 | 5,000 | 10,000 | 18,000 | 3,000 | 16.67 | 2,100 |
| 30 | 65 | 10,000 | 13,000 | 20,000 | 40,000 | 7,000 | 17.50 | 4,600 |
| 31 | 50 | 8,000 | 11,000 | 15,000 | 30,000 | 4,000 | 13.33 | 3,480 |

TOBACCO.

| | | | | | | | | |
|---|-----|-----------|----------|-----------|-----------|----------|-------|-----------|
| 1 | 173 | \$615,000 | \$52,000 | \$600,000 | \$700,000 | \$18,000 | 6.86 | \$106,900 |
| 2 | 115 | 45,000 | 22,700 | 69,960 | 123,070 | 3,410 | 24.71 | 15,097 |
| 3 | 125 | 80,000 | 76,500 | 150,000 | 350,000 | 124,500 | 35.29 | 39,800 |
| 4 | 160 | 102,000 | 50,000 | 865,302 | 946,273 | 30,971 | 3.27 | 104,347 |
| 5 | 33 | 75,000 | 11,000 | 160,000 | 200,000 | 29,000 | 14.50 | 24,500 |
| 6 | 60 | 50,000 | 15,000 | 180,000 | 240,000 | 44,000 | 18.33 | 27,000 |
| 7 | 375 | 100,000 | 125,000 | 921,719 | 1,623,732 | 577,013 | 35.54 | 168,373 |

SOAPS.

| Net profit or loss..... | Percentage of stock used of value of product..... | Percentage of wages paid of value of product..... | Percentage of interest and expenses of value of product..... | Percentage of net profit or loss of value of product.... | Average yearly product per employe..... | Average yearly net profit or loss per employe..... | Average yearly earnings of each employe | Number of establishments.. |
|-------------------------|---|---|--|--|---|--|---|----------------------------|
| -\$139,000 | 90.48 | 3.86 | 12.29 | -6.62 | \$8,400 | -\$556 | \$324 | 1 |
| 7,900 | 55.00 | 22.22 | 14.00 | 8.78 | 3,000 | 283 | 667 | 2 |
| 14,000 | 53.85 | 10.00 | 14.62 | 21.54 | 5,417 | 1,167 | 542 | 3 |
| a | 78.58 | 9.29 | 12.14 | a | 4,667 | a | 433 | 4 |
| -18,000 | 90.00 | 3.00 | 10.60 | -3.60 | 11,111 | -400 | 333 | 5 |
| -5,492 | 80.76 | 10.92 | 11.30 | -2.98 | 4,291 | -128 | 468 | 6 |
| 1,840 | 60.00 | 20.87 | 15.00 | 6.13 | 3,000 | 184 | 626 | 7 |
| 600 | 50.00 | 50.00 | 15.00 | 5.00 | 1,000 | 50 | 500 | 8 |
| 5,900 | 64.44 | 11.11 | 11.33 | 13.11 | 5,000 | 656 | 556 | 9 |
| 13,600 | 60.00 | 7.14 | 13.43 | 19.43 | 4,667 | 907 | 333 | 10 |

a Neither profit nor loss.

STONE.

| | | | | | | | | |
|----------|-------|-------|-------|--------|-------|------|-------|----|
| -\$2,130 | 64.56 | 30.93 | 10.90 | -6.40 | \$666 | -43 | \$206 | 1 |
| -9,500 | 67.39 | 22.18 | 14.57 | -4.13 | 2,556 | -106 | 507 | 2 |
| -2,560 | 47.48 | 44.12 | 13.78 | -5.38 | 1,190 | -64 | 525 | 3 |
| -5,232 | 38.33 | 57.39 | 13.00 | -8.72 | 1,200 | -105 | 689 | 4 |
| -3,200 | 40.00 | 35.71 | 12.57 | -11.71 | 700 | -82 | 250 | 5 |
| 21,500 | 28.00 | 46.67 | 11.00 | 14.33 | 1,250 | 179 | 583 | 6 |
| -402 | 38.36 | 50.82 | 11.84 | -1.03 | 652 | -7 | 331 | 7 |
| 2,335 | 29.69 | 53.65 | 10.89 | 5.77 | 1,155 | 67 | 620 | 8 |
| 1,881 | 22.22 | 55.91 | 11.50 | 10.47 | 1,286 | 135 | 718 | 9 |
| -2,520 | 30.12 | 67.86 | 10.84 | -3.83 | 1,057 | -93 | 718 | 10 |
| 4,180 | 27.78 | 49.94 | 10.67 | 11.61 | 1,440 | 167 | 719 | 11 |
| 472 | 41.29 | 44.93 | 11.24 | 2.54 | 775 | 20 | 348 | 12 |
| -880 | 30.17 | 56.67 | 11.50 | -7.33 | 545 | -40 | 309 | 13 |
| 260 | 22.22 | 63.89 | 11.00 | 2.89 | 900 | 26 | 575 | 14 |
| 2,420 | 22.50 | 52.00 | 10.38 | 15.13 | 1,333 | 202 | 693 | 15 |
| 17,600 | 50.00 | 20.00 | 12.40 | 17.60 | 2,500 | 440 | 500 | 16 |
| -5,250 | 85.00 | 8.94 | 12.63 | -6.56 | 5,333 | -350 | 477 | 17 |
| 7,500 | 35.71 | 39.29 | 11.61 | 13.31 | 1,400 | 188 | 550 | 18 |
| 6,900 | 34.29 | 34.29 | 11.71 | 19.71 | 1,458 | 288 | 500 | 19 |
| 1,680 | 50.00 | 31.25 | 11.75 | 7.00 | 1,600 | 112 | 500 | 20 |
| 9,134 | 58.25 | 13.32 | 10.70 | 17.73 | 3,219 | 571 | 429 | 21 |
| 1,420 | 24.00 | 50.00 | 11.80 | 14.20 | 556 | 79 | 278 | 22 |
| -735 | 24.90 | 73.13 | 12.64 | -10.75 | 977 | -105 | 714 | 23 |
| 1,000 | 40.80 | 41.60 | 13.60 | 4.00 | 2,083 | 83 | 867 | 24 |
| 895 | 41.10 | 41.33 | 11.60 | 5.97 | 1,154 | 69 | 477 | 25 |
| 4,120 | 25.00 | 43.20 | 11.20 | 20.60 | 1,667 | 343 | 720 | 26 |
| 4,386 | 15.38 | 39.49 | 11.38 | 33.74 | 1,857 | 627 | 733 | 27 |
| 3,440 | 45.45 | 27.27 | 11.64 | 15.64 | 2,200 | 344 | 600 | 28 |
| 900 | 55.56 | 27.78 | 11.67 | 5.00 | 1,800 | 90 | 500 | 29 |
| 2,400 | 50.00 | 52.50 | 11.50 | 6.00 | 615 | 37 | 200 | 30 |
| 520 | 50.00 | 36.67 | 11.60 | 1.73 | 600 | 10 | 220 | 31 |

TOBACCO.

| | | | | | | | | |
|-----------|-------|-------|-------|-------|---------|--------|-------|---|
| -\$58,900 | 85.71 | 7.43 | 15.27 | -8.41 | \$4,046 | -\$340 | \$301 | 1 |
| 15,403 | 56.85 | 18.44 | 12.19 | 12.52 | 1,070 | 134 | 197 | 2 |
| 83,700 | 42.86 | 21.86 | 11.37 | 23.91 | 2,800 | 670 | 612 | 3 |
| -73,376 | 91.44 | 5.28 | 11.03 | -7.75 | 5,914 | -459 | 313 | 4 |
| 4,500 | 80.00 | 5.50 | 12.25 | 2.25 | 6,061 | 136 | 333 | 5 |
| 17,000 | 75.00 | 6.67 | 11.25 | 7.08 | 4,000 | 283 | 267 | 6 |
| 408,640 | 56.77 | 7.70 | 10.37 | 25.17 | 4,330 | 1,090 | 333 | 7 |

VESSELS, SAILS, ETC.

| Number of es- tablishment.. | Average num- ber of em- ployees..... | Capital invest- ed..... | Wages paid during the year..... | Stock used.... | Value of pro- duct..... | Gross profit or loss..... | Percentage of gross profit of value of pro- duct..... | Estimated in- terest and ex- penses..... |
|--------------------------------|--|----------------------------|--|----------------|----------------------------|------------------------------|--|--|
| 1 | 80 | \$90,000 | \$60,000 | \$20,000 | \$90,000 | \$10,000 | 11.11 | \$14,400 |
| 2 | 60 | 100,000 | 18,000 | 35,000 | 75,000 | 22,000 | 29.33 | 13,500 |
| 3 | 40 | 100,000 | 20,000 | 150,000 | 200,000 | 30,000 | 15.00 | 26,000 |
| 4 | 82 | 20,000 | 30,000 | 40,000 | 30,000 | 20,000 | 66.67 | 10,200 |
| 5 | 12 | 10,000 | 9,000 | 10,000 | 25,000 | 4,000 | 16.00 | 6,900 |
| 6 | 21 | 10,000 | 11,285 | 38,000 | 66,883 | 17,548 | 26.26 | 7,283 |
| 7 | 10 | 5,000 | 5,200 | 20,800 | 30,000 | 4,000 | 13.33 | 3,300 |
| 8 | 12 | 3,000 | 8,350 | 46,000 | 59,500 | 5,150 | 8.66 | 6,130 |
| 9 | 30 | 35,000 | 18,000 | 13,000 | 40,000 | 9,000 | 22.50 | 6,100 |
| 10 | 11 | 10,000 | 7,000 | 31,000 | 41,000 | 3,000 | 7.32 | 4,700 |
| 11 | 42 | 45,000 | 24,000 | 33,000 | 62,000 | 15,000 | 24.19 | 8,900 |

WOODEN GOODS.

| | | | | | | | | |
|----|-----|---------|---------|---------|----------|---------|-------|---------|
| 1 | 50 | \$5,000 | \$7,500 | \$7,500 | \$23,000 | \$8,000 | 34.78 | \$2,600 |
| 2 | 31 | 10,000 | 12,000 | 15,000 | 30,000 | 3,000 | 10.00 | 3,600 |
| 3 | 55 | 6,000 | 13,000 | 13,000 | 30,000 | 4,000 | 13.33 | 3,360 |
| 4 | 23 | 2,500 | 8,320 | 20,000 | 30,000 | 1,680 | 5.60 | 3,150 |
| 5 | 12 | 2,400 | 6,000 | 2,000 | 10,000 | 2,000 | 20.00 | 1,144 |
| 6 | 17 | 15,000 | 7,000 | 10,000 | 30,000 | 13,000 | 43.33 | 3,900 |
| 7 | 60 | 12,000 | 18,000 | 15,000 | 40,000 | 7,000 | 17.50 | 4,720 |
| 8 | 60 | 25,000 | 26,000 | 30,000 | 72,000 | 16,000 | 22.22 | 8,700 |
| 9 | 70 | 10,000 | 25,000 | 20,000 | 60,000 | 15,000 | 25.00 | 6,600 |
| 10 | 33 | 15,000 | 12,229 | 60,000 | 88,000 | 15,771 | 17.92 | 9,700 |
| 11 | 28 | 800 | 9,704 | 27,000 | 42,000 | 5,206 | 12.61 | 4,248 |
| 12 | 25 | 5,000 | 6,500 | 13,000 | 25,000 | 5,500 | 22.00 | 2,800 |
| 13 | 30 | 20,000 | 14,690 | 18,000 | 41,400 | 8,710 | 21.04 | 5,340 |
| 14 | 160 | 35,000 | 52,302 | 84,635 | 152,000 | 15,003 | 9.87 | 36,200 |
| 15 | 15 | 3,000 | 6,500 | 17,000 | 30,000 | 6,500 | 21.67 | 3,190 |
| 16 | 45 | 22,000 | 19,500 | 55,000 | 120,000 | 45,500 | 37.92 | 13,320 |
| 17 | 65 | 50,000 | 24,000 | 30,000 | 120,000 | 66,000 | 55.00 | 15,000 |
| 18 | 9 | 12,000 | 6,000 | 12,000 | 21,000 | 3,000 | 14.29 | 2,820 |
| 19 | 80 | 70,000 | 30,000 | 65,000 | 120,000 | 25,000 | 20.83 | 16,200 |
| 20 | 25 | 3,000 | 9,000 | 11,000 | 24,000 | 4,000 | 16.67 | 2,580 |
| 21 | 90 | 75,000 | 33,500 | 36,000 | 91,000 | 21,500 | 23.63 | 13,600 |
| 22 | 30 | 10,000 | 12,495 | 15,174 | 35,098 | 7,429 | 21.17 | 4,110 |
| 23 | 50 | 10,000 | 26,700 | 40,000 | 80,000 | 13,300 | 16.63 | 8,600 |
| 24 | 48 | 5,538 | 15,517 | 58,673 | 90,437 | 16,247 | 17.96 | 9,376 |
| 25 | 56 | 40,000 | 23,000 | 310,600 | 350,000 | 16,400 | 46.86 | 37,400 |
| 26 | 37 | 16,000 | 14,400 | 14,400 | 36,000 | 7,200 | 20.00 | 4,560 |
| 27 | 30 | 15,000 | 14,500 | 54,000 | 77,800 | 9,300 | 11.95 | 8,680 |
| 28 | 50 | 25,000 | 20,000 | 40,000 | 66,000 | 5,400 | 8.18 | 8,100 |
| 29 | 27 | 5,000 | 17,000 | 30,000 | 60,000 | 13,000 | 21.67 | 6,300 |
| 30 | 15 | 8,000 | 5,500 | 6,000 | 15,000 | 3,500 | 23.33 | 1,980 |
| 31 | 38 | 8,000 | 20,000 | 18,000 | 50,000 | 12,000 | 24.00 | 5,480 |
| 32 | 30 | 5,000 | 16,000 | 24,000 | 50,000 | 10,000 | 20.00 | 5,300 |
| 33 | 25 | 15,000 | 15,000 | 13,800 | 35,000 | 6,200 | 17.71 | 4,400 |
| 34 | 33 | 40,000 | 18,000 | 36,000 | 65,000 | 11,000 | 16.92 | 8,900 |
| 35 | 525 | 60,000 | 170,693 | 617,585 | 925,041 | 136,763 | 14.78 | 96,104 |
| 36 | 190 | 170,000 | 72,886 | 95,000 | 200,000 | 32,114 | 16.06 | 30,200 |
| 37 | 52 | 20,000 | 23,100 | 35,000 | 80,000 | 21,600 | 27.00 | 9,200 |
| 38 | 40 | 25,000 | 18,000 | 120,500 | 160,000 | 12,500 | 7.81 | 17,500 |
| 39 | 250 | 500,000 | 125,000 | 250,000 | 450,000 | 75,000 | 16.67 | 75,000 |
| 40 | 65 | 50,000 | 33,330 | 36,992 | 82,087 | 11,765 | 14.33 | 11,209 |
| 41 | 40 | 20,000 | 12,000 | 38,000 | 60,000 | 10,000 | 16.67 | 7,200 |
| 42 | 60 | 20,000 | 20,340 | 30,000 | 60,000 | 9,660 | 16.10 | 7,200 |
| 43 | 87 | 15,000 | 35,600 | 63,974 | 121,757 | 22,183 | 18.22 | 13,076 |
| 44 | 16 | 13,500 | 6,600 | 85,000 | 97,000 | 5,400 | 5.57 | 10,510 |
| 45 | 15 | 10,000 | 8,000 | 3,000 | 16,000 | 5,000 | 31.25 | 2,200 |
| 46 | 15 | 5,000 | 11,398 | 31,000 | 45,000 | 2,612 | 5.80 | 4,800 |
| 47 | 20 | 20,000 | 7,500 | 5,500 | 15,500 | 2,500 | 16.13 | 2,750 |

VESSELS, SAILS, ETC.

| Number of es- tablishment. | Average yearly earnings of each employe. | Average yearly net profit or loss per em- ploye. | Average yearly product per employe. | Percentage of net profit or loss of value of product. | Percentage of interest and expenses of value of pro- duct. | Percentage of wages paid of value of pro- duct. | Percentage of stock used of value of pro- duct. | Net profit or loss. |
|-------------------------------|--|---|---|---|---|---|---|------------------------|
| 1 | \$750 | —\$55 | \$1,125 | —4.89 | 16.00 | 66.67 | 22.22 | —\$4,400 |
| 2 | 300 | 142 | 1,250 | 11.35 | 18.00 | 24.00 | 46.67 | 8,500 |
| 3 | 300 | 100 | 5,000 | 2.00 | 13.00 | 10.00 | 75.00 | 4,000 |
| 4 | 366 | 120 | 1,098 | 10.89 | 11.33 | 33.33 | 44.44 | 9,900 |
| 5 | 350 | 92 | 1,917 | 4.78 | 12.61 | 39.13 | 43.48 | 1,100 |
| 6 | 513 | 467 | 3,038 | 15.36 | 10.90 | 16.89 | 56.86 | 10,265 |
| 7 | 520 | 70 | 3,000 | 2.33 | 11.00 | 17.33 | 69.33 | 700 |
| 8 | 696 | —82 | 4,958 | —1.65 | 10.30 | 14.03 | 77.31 | —980 |
| 9 | 609 | 97 | 1,333 | 7.25 | 15.25 | 45.00 | 32.50 | 2,900 |
| 10 | 636 | —155 | 3,727 | —4.15 | 11.46 | 17.07 | 75.61 | —1,700 |
| 11 | 1571 | 145 | 1,476 | 9.84 | 14.35 | 38.71 | 37.10 | 6,100 |

WOODEN GOODS.

| | | | | | | | | |
|----|-------|-------|-------|--------|-------|-------|-------|---------|
| 1 | \$150 | \$108 | \$460 | 23.48 | 11.30 | 32.61 | 32.61 | \$5,400 |
| 2 | 387 | —19 | 968 | —2.00 | 12.00 | 40.00 | 50.00 | —600 |
| 3 | 371 | 18 | 857 | 2.13 | 11.20 | 43.33 | 43.33 | 640 |
| 4 | 362 | —63 | 1,304 | —4.90 | 10.50 | 27.73 | 66.67 | —1,470 |
| 5 | 500 | 71 | 833 | 8.56 | 11.44 | 60.00 | 20.00 | 856 |
| 6 | 412 | 535 | 1,765 | 30.33 | 13.00 | 23.33 | 33.33 | 9,100 |
| 7 | 300 | 38 | 667 | 5.70 | 11.80 | 45.00 | 37.50 | 2,280 |
| 8 | 433 | 121 | 1,200 | 10.14 | 12.06 | 36.11 | 41.67 | 7,900 |
| 9 | 357 | 120 | 857 | 14.00 | 11.00 | 41.67 | 33.33 | 8,400 |
| 10 | 371 | 184 | 2,667 | 6.90 | 11.02 | 13.90 | 68.18 | 6,071 |
| 11 | 347 | 37 | 1,500 | 2.50 | 10.11 | 23.10 | 64.20 | 1,048 |
| 12 | 260 | 108 | 1,000 | 10.80 | 11.20 | 26.00 | 52.00 | 2,700 |
| 13 | 490 | 112 | 1,380 | 8.14 | 12.90 | 35.48 | 43.48 | 3,370 |
| 14 | 327 | —132 | 950 | —13.95 | 23.82 | 34.41 | 55.72 | —21,197 |
| 15 | 433 | 221 | 2,000 | 11.07 | 10.60 | 21.07 | 56.67 | 3,320 |
| 16 | 433 | 715 | 2,667 | 26.82 | 11.10 | 16.25 | 45.83 | 32,180 |
| 17 | 369 | 785 | 1,846 | 42.50 | 12.50 | 20.00 | 25.00 | 51,000 |
| 18 | 667 | 20 | 2,333 | 8.86 | 13.43 | 28.57 | 57.14 | 180 |
| 19 | 375 | 110 | 1,500 | 7.33 | 13.50 | 25.00 | 54.17 | 8,900 |
| 20 | 360 | 57 | 960 | 5.92 | 10.75 | 37.50 | 45.83 | 1,420 |
| 21 | 372 | 88 | 1,011 | 8.68 | 14.95 | 36.81 | 39.56 | 7,900 |
| 22 | 417 | 111 | 1,170 | 9.46 | 11.71 | 35.60 | 43.23 | 3,319 |
| 23 | 534 | 94 | 1,600 | 5.88 | 10.75 | 33.38 | 50.00 | 4,700 |
| 24 | 323 | 143 | 1,884 | 7.59 | 10.37 | 17.16 | 64.88 | 6,871 |
| 25 | 411 | —375 | 6,250 | —6.00 | 10.60 | 6.57 | 88.74 | —21,000 |
| 26 | 389 | 71 | 973 | 7.33 | 12.67 | 40.00 | 40.00 | 2,640 |
| 27 | 483 | 21 | 2,583 | 80 | 11.16 | 18.64 | 69.41 | 620 |
| 28 | 412 | —54 | 1,320 | —4.00 | 12.27 | 31.21 | 60.61 | —2,700 |
| 29 | 630 | 248 | 2,232 | 11.17 | 10.50 | 28.33 | 50.00 | 6,700 |
| 30 | 367 | 101 | 1,000 | 10.13 | 13.20 | 36.67 | 40.00 | 1,520 |
| 31 | 526 | 172 | 1,316 | 13.04 | 10.96 | 40.00 | 36.00 | 6,520 |
| 32 | 533 | 157 | 1,667 | 9.40 | 10.60 | 32.00 | 48.00 | 4,700 |
| 33 | 600 | 72 | 1,400 | 5.14 | 12.57 | 42.86 | 39.43 | 1,800 |
| 34 | 545 | 64 | 1,970 | 3.23 | 13.69 | 27.69 | 55.38 | 2,100 |
| 35 | 325 | 78 | 1,762 | 4.40 | 10.39 | 18.45 | 66.76 | 40,650 |
| 36 | 384 | 10 | 1,053 | 9.96 | 15.10 | 36.44 | 47.50 | 1,914 |
| 37 | 450 | 288 | 1,538 | 15.50 | 11.50 | 29.25 | 43.75 | 12,400 |
| 38 | 450 | —125 | 4,000 | —3.13 | 10.94 | 11.25 | 80.94 | —5,000 |
| 39 | 500 | 9 | 1,800 | 6.8 | 16.67 | 27.78 | 55.56 | —5,000 |
| 40 | 513 | 9 | 1,263 | 6.8 | 13.66 | 40.60 | 45.06 | 556 |
| 41 | 300 | 70 | 1,500 | 4.67 | 12.00 | 20.00 | 63.33 | 2,800 |
| 42 | 339 | 41 | 1,000 | 4.10 | 12.00 | 33.90 | 50.00 | 2,460 |
| 43 | 409 | 105 | 1,400 | 7.48 | 10.74 | 29.24 | 52.54 | 9,107 |
| 44 | 413 | —319 | 6,063 | —5.27 | 10.84 | 6.80 | 67.63 | —5,110 |
| 45 | 533 | 187 | 1,067 | 11.25 | 13.75 | 50.00 | 18.75 | 2,900 |
| 46 | 759 | —145 | 3,000 | —4.86 | 10.67 | 25.30 | 68.89 | —2,184 |
| 47 | 375 | —13 | 775 | —1.61 | 17.74 | 48.39 | 35.48 | —250 |

Wooden Goods—Continued.

| Number of establishments. | Average number of employees. | Capital invested. | Wages paid during the year. | Stock used. | Value of product. | Gross profit or loss. | Percentage of gross profit of value of product. | Estimated interest and expenses. |
|---------------------------|------------------------------|-------------------|-----------------------------|-------------|-------------------|-----------------------|---|----------------------------------|
| 48 | 12 | \$2,000 | \$6,000 | \$9,600 | \$21,600 | \$6,000 | 27.78 | \$2,290 |
| 49 | 30 | 15,000 | 15,000 | 16,600 | 40,000 | 8,400 | 21.00 | 4,900 |
| 50 | 15 | 10,000 | 8,500 | 19,000 | 31,000 | 3,500 | 11.28 | 3,700 |
| 51 | 30 | 8,000 | 14,200 | 41,600 | 64,000 | 8,200 | 12.81 | 6,880 |
| 52 | 25 | 20,000 | 11,250 | 26,200 | 43,200 | 5,750 | 13.31 | 5,520 |
| 53 | 16 | 20,000 | 7,200 | 16,000 | 30,000 | 6,800 | 22.67 | 4,200 |
| 54 | 12 | 800 | 7,000 | 10,000 | 25,000 | 8,000 | 32.00 | 2,548 |
| 55 | 18 | 2,000 | 8,650 | 25,000 | 36,600 | 2,950 | 8.06 | 3,780 |
| 56 | 13 | 7,000 | 5,700 | 12,900 | 18,750 | 150 | .80 | 2,285 |
| 57 | 90 | 30,000 | 40,000 | 60,000 | 110,000 | 10,000 | 9.09 | 12,800 |
| 58 | 60 | 16,000 | 17,500 | 35,000 | 60,000 | 7,500 | 12.50 | 6,960 |
| 59 | 18 | 5,000 | 7,875 | 24,600 | 42,700 | 10,225 | 23.95 | 4,570 |
| 60 | 30 | 15,000 | 12,000 | 24,000 | 40,000 | 4,000 | 10.00 | 4,900 |
| 61 | 28 | 40,000 | 17,500 | 34,000 | 60,000 | 8,500 | 14.17 | 8,400 |
| 62 | 17 | 8,000 | 7,280 | 8,000 | 18,200 | 2,920 | 16.04 | 2,300 |
| 63 | 12 | 6,000 | 5,550 | 10,000 | 16,000 | 450 | 2.81 | 1,960 |
| 64 | 20 | 20,000 | 7,800 | 26,000 | 35,800 | 3,000 | 8.38 | 4,780 |
| 65 | 20 | 2,000 | 12,000 | 15,500 | 32,800 | 5,300 | 16.16 | 3,400 |
| 66 | 15 | 1,000 | 6,750 | 12,450 | 19,700 | 500 | 2.51 | 2,030 |
| 67 | 22 | 8,000 | 10,000 | 26,000 | 45,000 | 10,000 | 22.22 | 4,980 |
| 68 | 20 | 6,000 | 12,480 | 8,400 | 33,232 | 12,362 | 37.17 | 3,683 |
| 69 | 45 | 40,000 | 28,500 | 15,000 | 50,000 | 6,500 | 13.00 | 7,400 |
| 70 | 80 | 90,000 | 30,000 | 40,000 | 75,000 | 5,000 | 6.67 | 12,900 |
| 71 | 13 | 6,000 | 5,200 | 6,000 | 15,000 | 3,800 | 25.33 | 1,860 |
| 72 | 15 | 8,000 | 5,000 | 18,000 | 26,000 | 3,000 | 11.54 | 3,080 |
| 73 | 26 | 5,000 | 5,000 | 10,000 | 19,000 | 4,000 | 21.05 | 2,200 |
| 74 | 15 | 10,000 | 5,000 | 5,000 | 12,000 | 2,000 | 16.67 | 1,800 |
| 75 | 20 | 18,000 | 10,000 | 6,000 | 19,000 | 3,000 | 15.79 | 2,780 |
| 76 | 12 | 4,500 | 5,600 | 9,000 | 16,500 | 1,900 | 11.52 | 1,920 |
| 77 | 15 | 20,000 | 6,483 | 19,000 | 28,650 | 3,167 | 11.05 | 4,065 |
| 78 | 15 | 1,000 | 8,000 | 7,000 | 20,000 | 5,000 | 25.00 | 2,060 |
| 79 | 30 | 650 | 11,857 | 23,600 | 39,200 | 3,743 | 9.55 | 3,959 |
| 80 | 24 | 5,000 | 5,456 | 13,000 | 26,940 | 8,484 | 31.49 | 2,994 |
| 81 | 11 | 4,500 | 7,700 | 4,100 | 14,000 | 2,200 | 15.71 | 1,670 |
| 82 | 26 | 3,000 | 15,600 | 30,000 | 47,000 | 1,400 | 2.98 | 4,880 |
| 83 | 30 | 5,000 | 13,840 | 23,000 | 43,000 | 6,160 | 14.33 | 4,600 |
| 84 | 20 | 2,000 | 10,400 | 33,000 | 50,000 | 6,600 | 13.20 | 5,120 |
| 85 | 40 | 20,000 | 15,000 | 20,000 | 38,000 | 3,000 | 7.89 | 5,000 |
| 86 | 42 | 5,000 | 15,600 | 31,200 | 50,000 | 3,200 | 6.40 | 5,300 |
| 87 | 23 | 700 | 12,480 | 27,200 | 44,200 | 4,520 | 10.23 | 4,462 |
| 88 | 15 | 2,000 | 5,000 | 9,091 | 20,000 | 5,909 | 29.55 | 2,120 |
| 89 | 16 | 3,000 | 5,700 | 5,000 | 12,000 | 1,300 | 10.83 | 1,330 |
| 90 | 84 | 50,000 | 30,066 | 100,000 | 150,000 | 19,874 | 13.26 | 18,000 |
| 91 | 33 | 25,000 | 20,080 | 42,000 | 65,000 | 2,920 | 4.49 | 8,000 |
| 92 | 18 | 1,800 | 5,200 | 9,000 | 16,000 | 1,800 | 11.25 | 1,708 |
| 93 | 13 | 2,000 | 6,000 | 10,000 | 20,000 | 4,000 | 20.00 | 2,120 |
| 94 | 30 | 8,000 | 12,000 | 35,000 | 52,000 | 5,000 | 9.61 | 5,680 |
| 95 | 15 | 5,000 | 6,500 | 4,000 | 20,000 | 9,500 | 47.50 | 2,300 |
| 96 | 14 | 7,000 | 5,000 | 17,400 | 16,400 | 6,400 | 39.02 | 2,060 |
| 97 | 12 | 7,000 | 5,400 | 6,500 | 13,000 | 1,100 | 8.46 | 1,720 |
| 98 | 14 | 3,000 | 5,800 | 3,000 | 12,000 | 3,200 | 26.67 | 1,330 |
| 99 | 10 | 1,000 | 6,000 | 10,000 | 18,000 | 2,000 | 11.11 | 1,860 |
| 100 | 22 | 5,700 | 10,400 | 18,175 | 30,075 | 1,500 | 4.99 | 3,350 |
| 101 | 25 | 15,000 | 9,000 | 10,000 | 26,000 | 7,000 | 26.92 | 3,500 |
| 102 | 16 | 3,000 | 7,000 | 21,000 | 35,000 | 7,000 | 20.00 | 3,680 |
| 103 | 15 | 40,000 | 6,000 | 7,000 | 14,000 | 1,000 | 7.14 | 3,800 |
| 104 | 175 | 100,000 | 30,000 | 130,000 | 161,000 | 1,000 | .62 | 22,100 |
| 105 | 15 | 3,000 | 12,000 | 2,000 | 30,000 | 16,000 | 53.33 | 3,180 |

Wooden Goods—Continued.

| Net profit or loss | Percentage of stock used of value of product | Percentage of wages paid of value of product | Percentage of interest and expense of value of product | Percentage of net profit or loss of value of product | Average yearly product per employe | Average yearly net profit or loss per employe | Average yearly earnings of each employe | Number of establishments |
|--------------------------|--|--|--|--|--|---|---|--------------------------------|
| \$3,720 | 44.44 | 27.78 | 10.56 | 17.24 | \$1,800 | \$310 | \$500 | 48 |
| 3,500 | 41.50 | 27.50 | 12.25 | 8.75 | 1,333 | 117 | 500 | 49 |
| -200 | 61.29 | 27.42 | 11.94 | -65 | 2,067 | -13 | 567 | 50 |
| 1,320 | 65.00 | 22.19 | 10.75 | 2.06 | 2,133 | 44 | 473 | 51 |
| 230 | 60.65 | 26.04 | 12.78 | 5.53 | 1,728 | 9 | 450 | 52 |
| 1,600 | 53.33 | 24.00 | 14.00 | 8.67 | 1,875 | 163 | 450 | 53 |
| 5,452 | 40.00 | 28.00 | 10.19 | 21.81 | 2,083 | 454 | 583 | 54 |
| -1,530 | 68.31 | 23.63 | 10.33 | -2.27 | 2,033 | -46 | 481 | 55 |
| -2,143 | 68.80 | 30.40 | 12.24 | -11.44 | 1,442 | -165 | 438 | 56 |
| -2,800 | 54.55 | 36.36 | 11.64 | -2.55 | 1,222 | -31 | 444 | 57 |
| 540 | 58.33 | 29.17 | 11.60 | .90 | 1,000 | 9 | 292 | 58 |
| 5,655 | 57.61 | 18.44 | 10.70 | 13.24 | 2,372 | 314 | 438 | 59 |
| -900 | 60.00 | 30.00 | 12.25 | -2.25 | 1,333 | -30 | 400 | 60 |
| 100 | 56.67 | 29.17 | 14.00 | .17 | 2,143 | 3 | 625 | 61 |
| 620 | 43.96 | 40.00 | 12.64 | 3.41 | 1,071 | 36 | 428 | 62 |
| -1,510 | 62.60 | 34.69 | 12.25 | -9.44 | 1,333 | -125 | 463 | 63 |
| -1,780 | 69.83 | 21.79 | 13.35 | -4.97 | 1,790 | -86 | 390 | 64 |
| 1,900 | 47.26 | 36.59 | 10.37 | 5.79 | 1,640 | 95 | 600 | 65 |
| -1,530 | 63.20 | 31.26 | 10.30 | -7.77 | 1,313 | -102 | 450 | 66 |
| 5,020 | 55.56 | 22.22 | 11.07 | 11.16 | 2,045 | 228 | 455 | 67 |
| 8,669 | 25.28 | 37.55 | 11.08 | 26.09 | 1,661 | 434 | 624 | 68 |
| -900 | 30.00 | 57.00 | 14.80 | -1.80 | 1,111 | -20 | 633 | 69 |
| -7,900 | 53.33 | 40.00 | 17.20 | -10.53 | 938 | -99 | 875 | 70 |
| 1,940 | 40.00 | 34.67 | 12.40 | 12.93 | 1,154 | 149 | 400 | 71 |
| -80 | 69.23 | 19.23 | 11.85 | -31 | 1,733 | -5 | 333 | 72 |
| 1,800 | 52.63 | 26.33 | 11.58 | 9.47 | 1,731 | 69 | 192 | 73 |
| 200 | 41.67 | 46.67 | 15.00 | 1.67 | 800 | 13 | 333 | 74 |
| 20 | 31.58 | 52.63 | 15.68 | .11 | 950 | 1 | 500 | 75 |
| -20 | 54.55 | 33.94 | 11.64 | .12 | 1,375 | -2 | 467 | 76 |
| -896 | 66.32 | 22.63 | 14.18 | -3.13 | 1,910 | -60 | 432 | 77 |
| 2,940 | 35.00 | 40.00 | 10.30 | 14.70 | 1,333 | 196 | 533 | 78 |
| -216 | 60.20 | 30.25 | 10.10 | -55 | 1,307 | -7 | 395 | 79 |
| 5,490 | 48.26 | 20.25 | 11.11 | 20.38 | 1,113 | 228 | 227 | 80 |
| 530 | 29.29 | 55.00 | 11.93 | 3.79 | 1,273 | 48 | 700 | 81 |
| -3,400 | 63.83 | 33.19 | 10.33 | -7.40 | 1,808 | -133 | 600 | 82 |
| 1,560 | 53.49 | 32.19 | 10.70 | 3.63 | 1,433 | 52 | 461 | 83 |
| 1,480 | 66.00 | 20.80 | 10.24 | 2.96 | 2,500 | 74 | 520 | 84 |
| -2,000 | 52.63 | 39.47 | 13.16 | -5.26 | 950 | -50 | 375 | 85 |
| -2,100 | 62.40 | 31.20 | 10.60 | -4.20 | 1,190 | -50 | 371 | 86 |
| 58 | 61.54 | 28.23 | 10.10 | .13 | 1,922 | 3 | 543 | 87 |
| 3,786 | 45.46 | 25.00 | 10.60 | 18.95 | 1,333 | 252 | 333 | 88 |
| -80 | 41.67 | 47.50 | 11.50 | -57 | 750 | -5 | 356 | 89 |
| 1,874 | 66.71 | 20.04 | 12.00 | 1.25 | 1,786 | 22 | 358 | 90 |
| -5,080 | 64.62 | 30.89 | 12.31 | -7.82 | 1,970 | -151 | 608 | 91 |
| 92 | 56.25 | 32.50 | 10.68 | .58 | 800 | 5 | 289 | 92 |
| 1,880 | 50.00 | 30.00 | 10.60 | 9.40 | 1,508 | 145 | 462 | 93 |
| -680 | 67.31 | 23.08 | 10.12 | -1.31 | 1,733 | -22 | 400 | 94 |
| 7,200 | 20.00 | 33.50 | 11.50 | 35.00 | 1,333 | 480 | 430 | 95 |
| 4,340 | 30.49 | 30.49 | 12.56 | 26.46 | 1,171 | 310 | 357 | 96 |
| -620 | 50.00 | 41.54 | 13.23 | -4.76 | 1,043 | -51 | 450 | 97 |
| 1,820 | 25.00 | 48.33 | 11.50 | 15.17 | 877 | 130 | 414 | 98 |
| 140 | 55.56 | 34.33 | 10.23 | .78 | 1,800 | 14 | 600 | 99 |
| 1,850 | 60.43 | 34.58 | 11.14 | -6.15 | 1,367 | -84 | 473 | 100 |
| 3,500 | 38.46 | 34.62 | 13.46 | 13.46 | 1,040 | 140 | 360 | 101 |
| 3,320 | 69.00 | 20.00 | 10.51 | 9.49 | 2,188 | 207 | 438 | 102 |
| -2,800 | 50.00 | 42.86 | 27.14 | -20.00 | 933 | -187 | 400 | 103 |
| -21,100 | 90.75 | 18.63 | 13.73 | -13.11 | 920 | -121 | 171 | 104 |
| 12,820 | 66.67 | 40.00 | 10.60 | 42.73 | 2,000 | 855 | 800 | 105 |

a—Neither loss nor profit.

e—

WOOLEN GOODS.

| Number of establishments.. | Average number of employees..... | Capital invested..... | Wages paid during the year..... | Stock used.... | Value of product..... | Gross profit or loss..... | Percentage of gross profit of value of product..... | Estimated interest and expenses..... |
|----------------------------|----------------------------------|-----------------------|---------------------------------|----------------|-----------------------|---------------------------|---|--------------------------------------|
| 1 | 30 | \$46,253 | \$8,650 | \$32,830 | \$60,000 | \$18,520 | 30.87 | \$8,775 |
| 2 | 26 | 15,000 | 7,200 | 36,000 | 50,000 | 6,765 | 13.53 | 5,900 |
| 3 | 14 | 10,000 | 5,000 | 51,000 | 61,500 | 5,500 | 8.94 | 6,750 |
| 4 | 30 | 45,000 | 7,700 | 31,300 | 45,000 | 6,000 | 13.33 | 7,200 |
| 5 | 30 | 155,000 | 21,562 | 113,430 | 150,000 | 15,000 | 10.01 | 24,300 |
| 6 | 35 | 35,000 | 5,000 | 31,280 | 40,000 | 9,720 | 9.30 | 5,980 |
| 7 | 67 | 150,000 | 27,417 | 97,000 | 150,000 | 25,583 | 17.06 | 24,000 |
| 8 | 30 | 10,000 | 7,000 | 13,600 | 20,500 | 100 | .49 | 2,650 |
| 9 | 30 | 30,000 | 6,000 | 54,642 | 74,000 | 13,358 | 18.05 | 9,200 |
| 10 | 76 | 100,000 | 30,000 | 112,000 | 150,000 | 8,000 | 5.33 | 21,000 |
| 11 | 64 | 61,500 | 19,112 | 51,150 | 99,000 | 28,798 | 29.03 | 13,590 |
| 12 | 85 | 150,000 | 33,000 | 127,725 | 180,000 | 19,275 | 10.71 | 27,000 |
| 13 | 32 | 35,000 | 10,000 | 32,816 | 49,000 | 6,186 | 12.62 | 7,000 |
| 14 | 95 | 180,000 | 33,522 | 118,500 | 178,000 | 25,878 | 14.59 | 28,600 |
| 15 | 45 | 50,000 | 25,000 | 100,000 | 164,000 | 39,000 | 23.78 | 19,400 |
| 16 | 72 | 34,000 | 18,000 | 96,357 | 115,500 | 1,143 | .99 | 13,590 |

SUMMARY, BY INDUSTRIES.

| Industries. | Average number of employees..... | Capital invested..... | Wages paid during the year..... | Stock used.... | Value of product..... |
|--|----------------------------------|-----------------------|---------------------------------|----------------|-----------------------|
| Agricultural implements..... | 6,802 | \$10,737,200 | \$3,060,618 | \$6,461,957 | \$12,878,973 |
| Boots and shoes..... | 2,064 | 1,722,500 | 771,737 | 1,756,179 | 3,118,973 |
| Boxes..... | 2,007 | 910,526 | 702,412 | 2,799,307 | 4,030,781 |
| Brick..... | 1,874 | 917,498 | 620,123 | 317,601 | 1,268,835 |
| Brooms and brushes..... | 308 | 222,000 | 102,406 | 229,922 | 397,000 |
| Buildings..... | 3,704 | 1,026,150 | 1,799,715 | 3,493,869 | 5,935,850 |
| Carriages and wagons..... | 2,497 | 2,700,030 | 1,143,009 | 1,824,669 | 3,938,931 |
| Chemical preparations..... | 784 | 995,750 | 285,370 | 2,193,748 | 3,054,266 |
| Cigars..... | 1,252 | 432,066 | 509,048 | 815,657 | 1,725,233 |
| Clocks and watches..... | 1,659 | 2,018,827 | 808,974 | 239,857 | 1,888,621 |
| Clothing..... | 12,569 | 7,919,375 | 4,578,139 | 15,061,519 | 22,751,007 |
| Cooking and heating apparatus..... | 1,119 | 1,490,400 | 592,532 | 991,113 | 2,223,600 |
| Cured and packed meats..... | 10,212 | 10,691,350 | 3,939,411 | 81,345,172 | 94,077,269 |
| Drugs and medicines..... | 191 | 231,000 | 82,754 | 376,000 | 688,000 |
| Flour and meal..... | 1,838 | 5,551,892 | 975,151 | 20,741,856 | 23,619,098 |
| Food preparations..... | 2,647 | 2,961,550 | 1,025,560 | 11,702,129 | 14,271,027 |
| Furniture..... | 5,951 | 3,577,600 | 2,652,296 | 3,867,677 | 8,316,355 |
| Leather..... | 1,839 | 2,921,128 | 868,615 | 6,172,412 | 8,089,394 |
| Lumber..... | 1,709 | 2,335,970 | 560,343 | 3,642,052 | 1,984,140 |
| Machines and machinery..... | 3,756 | 4,543,000 | 1,927,512 | 3,795,610 | 7,630,506 |
| Malt..... | 199 | 815,000 | 93,849 | 1,416,429 | 1,724,300 |
| Metals and metallic goods..... | 14,919 | 14,415,501 | 6,804,591 | 27,199,052 | 40,833,333 |
| Musical instruments and materials..... | 329 | 242,000 | 198,527 | 308,028 | 631,250 |
| Paints and oils..... | 389 | 1,120,000 | 207,905 | 3,659,145 | 4,740,900 |
| Paper..... | 750 | 1,228,000 | 268,424 | 880,488 | 1,664,098 |
| Photographs and other likenesses..... | 99 | 152,500 | 62,544 | 62,000 | 216,000 |
| Printing and publishing..... | 4,660 | 3,774,300 | 2,508,523 | 2,915,297 | 7,370,846 |
| Railroad and other cars and materials..... | 1,578 | 1,133,500 | 729,608 | 3,440,415 | 4,315,002 |
| Soaps..... | 456 | 1,125,000 | 177,902 | 2,786,100 | 3,236,500 |
| Stone..... | 1,031 | 509,000 | 481,152 | 634,473 | 1,355,689 |
| Tobacco..... | 1,041 | 1,127,000 | 353,200 | 2,946,981 | 4,183,075 |
| Vessels, sails, etc..... | 401 | 428,000 | 210,835 | 426,890 | 777,333 |
| Wooden goods..... | 4,374 | 2,301,388 | 1,754,291 | 3,838,109 | 6,689,667 |
| Woolen goods..... | 811 | 1,104,753 | 264,163 | 1,099,665 | 1,586,502 |
| Totals..... | 95,912 | \$83,381,754 | \$41,201,529 | \$219,511,348 | \$303,882,634 |

WOOLEN GOODS.

| Number of establishments..... | Average yearly earnings of each employe..... | Average yearly net profit or loss per employe..... | Average yearly product per employe..... | Percentage of net profit or loss of value of product..... | Percentage of interest and expenses of value of product..... | Percentage of wages paid of value of product..... | Percentage of stock used of value of product..... | Net profit or loss..... |
|-------------------------------|--|--|---|---|--|---|---|-------------------------|
| 1 | \$288 | \$225 | \$2,000 | 16.24 | 14.63 | 14.42 | 54.72 | \$9,745 |
| 2 | 277 | 33 | 1,923 | 1.73 | 11.80 | 14.40 | 72.07 | 85 |
| 3 | 357 | 39 | 4,393 | -2.03 | 10.98 | 8.13 | 82.93 | -1,250 |
| 4 | 257 | 40 | 1,500 | -2.67 | 16.00 | 17.11 | 69.56 | -1,390 |
| 5 | 270 | -116 | 1,875 | -6.19 | 16.20 | 14.37 | 75.62 | -9,282 |
| 6 | 143 | -65 | 1,143 | -5.65 | 14.95 | 12.50 | 78.20 | -2,380 |
| 7 | 409 | 24 | 2,339 | 1.06 | 16.00 | 18.28 | 64.67 | 1,583 |
| 8 | 233 | -82 | 683 | -13.41 | 12.93 | 34.15 | 66.34 | -2,750 |
| 9 | 200 | 139 | 2,467 | 5.62 | 12.43 | 8.11 | 73.84 | 4,158 |
| 10 | 395 | -171 | 1,974 | -8.67 | 14.00 | 20.00 | 74.67 | -13,000 |
| 11 | 299 | 237 | 1,547 | 15.30 | 13.73 | 19.31 | 51.67 | 15,148 |
| 12 | 338 | -91 | 2,118 | -4.29 | 15.00 | 18.33 | 70.96 | -7,735 |
| 13 | 313 | -25 | 1,531 | -1.66 | 14.29 | 20.41 | 66.97 | -814 |
| 14 | 353 | -28 | 1,874 | -1.47 | 16.07 | 18.83 | 66.57 | -2,822 |
| 15 | 556 | 436 | 3,644 | 11.95 | 11.83 | 15.24 | 60.98 | 19,600 |
| 16 | 250 | -173 | 1,604 | -10.78 | 11.77 | 15.58 | 83.43 | -12,447 |

SUMMARY, BY INDUSTRIES.

| Average yearly earnings of each employe..... | Average yearly net profit or loss per employe..... | Average yearly product per employe..... | Percentage of net profit or loss of value of product..... | Percentage of interest and expenses of value of product..... | Percentage of wages paid of value of product..... | Percentage of stock used of value of product..... | Net profit or loss..... | Estimated interest and expenses..... |
|--|--|---|---|--|---|---|-------------------------|--------------------------------------|
| \$450 | \$209 | \$1,893 | 11.06 | 15.00 | 23.76 | 50.17 | \$1,424,269 | \$1,932,129 |
| 374 | 85 | 1,511 | 5.64 | 13.31 | 24.74 | 56.31 | 175,810 | 415,247 |
| 390 | 6 | 2,008 | .28 | 11.36 | 18.92 | 69.45 | 11,322 | 457,710 |
| 331 | 89 | 688 | 12.97 | 14.27 | 48.12 | 24.64 | 167,177 | 183,934 |
| 332 | 33 | 1,289 | 2.94 | 13.36 | 25.79 | 57.91 | 11,652 | 53,020 |
| 426 | -3 | 1,603 | -.22 | 11.04 | 30.32 | 58.86 | -12,888 | 655,154 |
| 458 | 166 | 1,577 | 10.54 | 14.11 | 29.02 | 46.32 | 415,268 | 555,895 |
| 364 | 268 | 3,896 | 6.87 | 11.96 | 9.34 | 71.83 | 209,976 | 365,172 |
| 407 | 161 | 1,378 | 11.71 | 11.50 | 29.51 | 47.28 | 202,081 | 198,447 |
| 488 | 48 | 837 | 5.75 | 18.72 | 58.26 | 17.27 | 79,798 | 259,992 |
| 364 | 29 | 1,810 | 1.59 | 12.10 | 20.12 | 66.20 | 361,085 | 2,750,264 |
| 530 | 293 | 1,987 | 14.77 | 14.02 | 26.64 | 44.57 | 328,423 | 311,812 |
| 396 | -127 | 9,212 | -1.38 | 10.68 | 4.19 | 86.51 | -1,296,522 | 10,049,208 |
| 433 | 767 | 3,602 | 21.31 | 12.01 | 12.03 | 54.65 | 146,586 | 82,660 |
| 531 | 431 | 12,850 | -3.36 | 4.13 | 48.12 | 87.82 | -792,933 | 2,695,024 |
| 387 | -33 | 5,391 | -.43 | 7.19 | 11.25 | 82.00 | -61,458 | 1,604,796 |
| 446 | 126 | 1,397 | 9.02 | 12.58 | 31.89 | 46.51 | 750,100 | 1,046,292 |
| 472 | 10 | 4,372 | .24 | 12.18 | 10.80 | 76.78 | 19,160 | 979,207 |
| 317 | 81 | 2,817 | 2.87 | 12.81 | 11.24 | 73.07 | 143,173 | 638,572 |
| 513 | 232 | 2,032 | 11.42 | 13.57 | 25.26 | 49.74 | 871,753 | 1,635,631 |
| 472 | -37 | 8,665 | -.42 | 12.84 | 5.44 | 82.15 | -7,308 | 221,330 |
| 455 | 126 | 2,732 | 4.61 | 12.12 | 16.66 | 66.61 | 1,881,427 | 4,948,263 |
| 603 | 143 | 1,919 | 7.45 | 12.30 | 31.45 | 48.80 | 47,050 | 77,645 |
| 535 | 855 | 12,187 | 7.01 | 11.42 | 4.39 | 77.18 | 332,470 | 541,290 |
| 385 | 340 | 2,219 | 15.33 | 14.43 | 17.33 | 52.91 | 255,096 | 240,090 |
| 632 | 613 | 2,182 | 28.10 | 14.24 | 28.96 | 28.70 | 60,706 | 30,750 |
| 538 | 213 | 1,582 | 13.31 | 13.07 | 34.03 | 39.55 | 963,483 | 963,543 |
| 462 | -111 | 2,861 | -3.87 | 16.16 | 76.20 | 76.20 | -174,621 | 519,510 |
| 390 | -260 | 7,098 | -3.67 | 12.09 | 86.08 | 86.08 | 391,150 | 391,150 |
| 465 | 72 | 1,311 | 5.46 | 12.25 | 35.49 | 46.80 | 73,955 | 166,109 |
| 339 | 381 | 4,018 | 9.49 | 11.62 | 8.44 | 70.45 | 396,966 | 485,928 |
| 526 | 90 | 1,938 | 4.67 | 13.30 | 27.12 | 54.91 | 36,285 | 103,413 |
| 401 | 59 | 1,529 | 3.89 | 12.06 | 26.22 | 57.82 | 807,050 | 807,050 |
| 326 | -3 | 1,956 | -1.14 | 14.18 | 16.65 | 69.31 | -2,261 | 224,935 |
| \$430 | \$76 | \$3,168 | 2.36 | 11.84 | 13.56 | 72.24 | \$7,178,589 | \$35,991,168 |

SUMMARY BY COUNTIES.

| Municipal No. | Counties. | Number of establishments. | Average number of employees. | Capital invested. | Wages paid during the year. | Stock used. | Value of product. | Gross profit or loss. |
|---------------|-------------|---------------------------|------------------------------|-------------------|-----------------------------|-------------|-------------------|-----------------------|
| 1 | Adams | 50 | 2,079 | \$3,111,400 | \$859,766 | \$3,914,120 | \$6,050,594 | \$1,276,708 |
| 2 | Alexander | 7 | 185 | 332,000 | 72,500 | 984,000 | 1,161,000 | 104,500 |
| 3 | Bureau | 1 | 8 | 13,000 | 5,000 | 2,000 | 14,000 | 7,000 |
| 4 | Champaign | 1 | 16 | 10,000 | 6,000 | 10,000 | 20,000 | 4,000 |
| 5 | Christian | 1 | 10 | 25,000 | 5,000 | 47,000 | 55,550 | 3,550 |
| 6 | Clark | 1 | 20 | 30,000 | 6,000 | 125,523 | 151,665 | 20,143 |
| 7 | Clinton | 4 | 103 | 238,500 | 98,000 | 704,600 | 821,900 | 79,300 |
| 8 | Col's | 5 | 153 | 120,253 | 57,275 | 224,330 | 340,000 | 58,335 |
| 9 | Cook | 1051 | 61,954 | 57,382,343 | 28,943,442 | 160,769,077 | 217,580,650 | 27,868,131 |
| 10 | DeKalb | 6 | 478 | 637,000 | 214,400 | 534,500 | 885,000 | 136,100 |
| 11 | DeWitt | 1 | 35 | 75,000 | 22,800 | 5,100 | 40,000 | 12,100 |
| 12 | Edgar | 2 | 34 | 16,000 | 15,000 | 53,000 | 85,000 | 17,000 |
| 13 | Effingham | 1 | 26 | 15,000 | 7,200 | 36,035 | 50,000 | 6,765 |
| 14 | Fayette | 1 | 24 | 6,300 | 7,440 | 10,000 | 19,000 | 1,560 |
| 15 | Franklin | 1 | 14 | 10,000 | 5,000 | 51,000 | 61,540 | 5,540 |
| 16 | Fulton | 3 | 215 | 312,000 | 67,200 | 208,300 | 390,000 | 114,500 |
| 17 | Greene | 3 | 68 | 139,000 | 24,750 | 113,820 | 180,670 | 22,100 |
| 18 | Grundy | 1 | 125 | 100,000 | 48,000 | 30,000 | 125,000 | 47,000 |
| 19 | Hamilton | 1 | 15 | 30,000 | 7,000 | 77,500 | 104,000 | 29,500 |
| 20 | Hancock | 4 | 134 | 231,000 | 42,412 | 309,630 | 381,675 | 29,633 |
| 21 | Hardin | 1 | 12 | 3,000 | 5,000 | 13,300 | 20,000 | 1,700 |
| 22 | Henderson | 1 | 30 | 16,000 | 5,250 | 27,000 | 40,000 | 7,750 |
| 23 | Henry | 5 | 171 | 135,900 | 64,910 | 95,221 | 207,135 | 46,974 |
| 24 | Iroquois | 1 | 13 | 75,000 | 6,000 | 100,000 | 115,000 | 9,000 |
| 25 | Jackson | 1 | 9 | 6,000 | 9,000 | 5,000 | 25,000 | 11,000 |
| 26 | Jersey | 3 | 44 | 57,000 | 22,000 | 100,600 | 183,000 | 60,400 |
| 27 | Jo Daviess | 15 | 420 | 1,097,329 | 138,904 | 710,434 | 974,921 | 125,583 |
| 28 | Johnson | 1 | 17 | 10,000 | 5,000 | 50,000 | 60,000 | 5,000 |
| 29 | Kane | 33 | 2,370 | 2,566,827 | 1,027,300 | 1,776,499 | 3,428,983 | 626,184 |
| 30 | Kankakee | 7 | 189 | 252,000 | 68,590 | 375,757 | 532,000 | 87,713 |
| 31 | Kendall | 2 | 467 | 125,000 | 189,000 | 270,000 | 550,000 | 91,000 |
| 32 | Knox | 7 | 323 | 477,000 | 118,904 | 189,158 | 467,892 | 159,830 |
| 33 | Lake | 7 | 155 | 153,000 | 58,506 | 205,500 | 345,500 | 81,500 |
| 34 | LaSalle | 26 | 1,418 | 1,310,800 | 639,487 | 1,508,010 | 2,758,636 | 609,139 |
| 35 | Lawrence | 1 | 24 | 1,000 | 5,000 | 31,400 | 40,000 | 3,600 |
| 36 | Lee | 6 | 231 | 382,000 | 131,450 | 843,837 | 1,175,551 | 200,261 |
| 37 | Livingston | 2 | 42 | 46,000 | 16,360 | 101,845 | 132,958 | 14,733 |
| 38 | Logan | 4 | 61 | 40,000 | 21,865 | 26,845 | 68,000 | 19,294 |
| 39 | McDonough | 4 | 171 | 173,000 | 54,710 | 111,860 | 245,180 | 78,610 |
| 40 | McLean | 17 | 417 | 594,000 | 159,173 | 853,625 | 1,218,150 | 265,332 |
| 41 | Macon | 16 | 390 | 575,000 | 206,234 | 791,960 | 1,314,010 | 315,816 |
| 42 | Macoupin | 7 | 102 | 210,000 | 54,070 | 560,086 | 673,697 | 59,541 |
| 43 | Madison | 24 | 1,023 | 1,037,150 | 427,115 | 3,771,721 | 5,250,823 | 1,051,987 |
| 44 | Marion | 1 | 120 | 100,000 | 53,148 | 78,812 | 159,000 | 17,040 |
| 45 | Marshall | 3 | 91 | 92,000 | 81,612 | 88,650 | 176,200 | 55,938 |
| 46 | Massac | 6 | 321 | 178,000 | 91,350 | 196,100 | 335,500 | 48,050 |
| 47 | Monroe | 4 | 106 | 144,492 | 50,386 | 720,301 | 817,024 | 46,337 |
| 48 | Montgomery | 3 | 400 | 306,500 | 168,700 | 1,029,100 | 1,249,000 | 51,240 |
| 49 | Morgan | 10 | 339 | 362,000 | 126,000 | 799,630 | 1,182,700 | 167,070 |
| 50 | Ogle | 3 | 55 | 89,000 | 20,957 | 128,700 | 185,000 | 35,943 |
| 51 | Peoria | 57 | 1,930 | 1,474,400 | 703,267 | 2,766,259 | 4,206,996 | 737,470 |
| 52 | Perry | 1 | 26 | 10,000 | 9,600 | 25,000 | 46,000 | 11,400 |
| 53 | Pike | 4 | 84 | 125,400 | 32,280 | 504,980 | 592,186 | 54,936 |
| 54 | Pope | 1 | 12 | 20,000 | 5,000 | 8,000 | 15,000 | 2,000 |
| 55 | Pulaski | 5 | 146 | 275,000 | 54,000 | 126,000 | 222,000 | 42,000 |
| 56 | Randolph | 8 | 111 | 353,000 | 56,458 | 1,143,194 | 1,268,223 | 68,571 |
| 57 | Rock Island | 38 | 2,754 | 3,875,500 | 1,257,755 | 3,820,047 | 6,348,212 | 1,270,410 |
| 58 | St. Clair | 43 | 4,698 | 3,953,000 | 1,439,575 | 11,654,485 | 16,276,238 | 2,182,178 |
| 59 | Saline | 1 | 10 | 12,000 | 8,000 | 83,150 | 100,285 | 9,115 |
| 60 | Sangamon | 21 | 1,747 | 1,747,620 | 683,021 | 2,838,482 | 3,655,527 | 134,035 |

SUMMARY BY COUNTIES.

| Marginal No... | Average yearly earnings of each employe | Average yearly net profit or loss per employe | Average yearly product per employe | Percentage of net profit or loss of value of product | Percentage of interest and expenses of value of prod | Percentage of wages paid of value of prod | Percentage of stock used of value of prod | Net profit or loss | Estimated interest and expenses | Percentage of gross profit of value of prod |
|----------------|---|---|------------------------------------|--|--|---|---|--------------------|---------------------------------|---|
| 1 | \$414 | \$233 | \$2,910 | 8.02 | 13.09 | 14.21 | 64.69 | \$484,965 | \$791,743 | 21.10 |
| 2 | 382 | 170 | 6,276 | 2.71 | 11.72 | 81.75 | 81.75 | 31,520 | 136,020 | 9.00 |
| 3 | 625 | 603 | 1,750 | 34.43 | 15.57 | 35.71 | 14.29 | 4,820 | 2,180 | 50.00 |
| 4 | 375 | 88 | 1,250 | 7.00 | 13.00 | 50.00 | 50.00 | 1,400 | 2,600 | 39.00 |
| 5 | 500 | 151 | 5,555 | 6.31 | 12.70 | 9.00 | 84.61 | 3,505 | 7,055 | 6.39 |
| 6 | 300 | 159 | 7,583 | 2.09 | 11.19 | 3.96 | 82.76 | 3,175 | 16,967 | 13.28 |
| 7 | 369 | 167 | 7,978 | 2.09 | 11.74 | 4.62 | 85.73 | 17,200 | 96,500 | 9.65 |
| 8 | 574 | 112 | 2,222 | 5.05 | 12.12 | 16.85 | 65.98 | 17,180 | 41,215 | 17.18 |
| 9 | 446 | 41 | 3,350 | 1.22 | 11.59 | 13.30 | 73.89 | 2,647,125 | 2,221,006 | 12.81 |
| 10 | 449 | 20 | 1,851 | 1.06 | 14.32 | 34.23 | 60.40 | 1.6,720 | 1.6,720 | 15.38 |
| 11 | 651 | 103 | 1,143 | 9.00 | 21.25 | 57.00 | 12.75 | 3,600 | 8,500 | 39.24 |
| 12 | 441 | 222 | 2,500 | 8.87 | 11.13 | 17.65 | 62.35 | 7,510 | 9,460 | 20.00 |
| 13 | 277 | 33 | 1,923 | 1.73 | 11.80 | 14.46 | 72.07 | 865 | 5,000 | 13.57 |
| 14 | 310 | 30 | 792 | 3.78 | 11.99 | 39.16 | 52.93 | 718 | 2,278 | 8.21 |
| 15 | 357 | 89 | 4,393 | 2.03 | 10.98 | 8.13 | 82.93 | 1,250 | 6,750 | 8.91 |
| 16 | 313 | 264 | 1,814 | 14.56 | 14.80 | 17.23 | 53.41 | 56,780 | 57,720 | 29.36 |
| 17 | 364 | 83 | 2,363 | 1.40 | 15.15 | 15.40 | 70.74 | 2,247 | 14,447 | 13.75 |
| 18 | 384 | 228 | 1,000 | 22.80 | 14.80 | 39.40 | 24.00 | 24,500 | 18,500 | 37.60 |
| 19 | 407 | 487 | 6,333 | 7.02 | 11.73 | 6.73 | 74.52 | 7,300 | 12,200 | 18.75 |
| 20 | 317 | 167 | 2,848 | 5.87 | 13.63 | 11.11 | 81.12 | 22,395 | 52,028 | 7.76 |
| 21 | 417 | 40 | 1,667 | 2.40 | 10.90 | 25.00 | 66.50 | 480 | 2,180 | 8.50 |
| 22 | 175 | 93 | 1,333 | 6.98 | 12.40 | 13.13 | 67.50 | 2,790 | 4,960 | 19.38 |
| 23 | 390 | 106 | 1,211 | 8.74 | 13.94 | 31.35 | 45.98 | 18,106 | 28,868 | 22.68 |
| 24 | 462 | 538 | 8,846 | 7.09 | 15.91 | 5.22 | 86.96 | 7,000 | 16,000 | 7.83 |
| 25 | 890 | 904 | 2,778 | 32.56 | 11.44 | 36.00 | 20.00 | 8,140 | 2,860 | 44.00 |
| 26 | 500 | 679 | 4,159 | 21.14 | 11.87 | 12.02 | 54.97 | 38,680 | 21,720 | 33.01 |
| 27 | 351 | 90 | 2,321 | 3.87 | 16.75 | 14.25 | 72.87 | 37,749 | 163,332 | 12.83 |
| 28 | 294 | 94 | 3,525 | 2.67 | 11.00 | 8.33 | 83.33 | 1,600 | 6,600 | 8.33 |
| 29 | 54 | 54 | 1,447 | 3.74 | 14.49 | 29.96 | 51.81 | 129,276 | 496,908 | 18.23 |
| 30 | 363 | 109 | 2,815 | 3.87 | 12.62 | 12.89 | 70.62 | 20,587 | 67,126 | 16.49 |
| 31 | 405 | 61 | 1,178 | 5.18 | 11.96 | 34.36 | 49.10 | 28,500 | 62,500 | 16.55 |
| 32 | 368 | 201 | 1,449 | 18.04 | 16.12 | 25.41 | 40.43 | 84,421 | 75,409 | 34.16 |
| 33 | 377 | 244 | 2,225 | 10.93 | 12.66 | 16.93 | 59.48 | 97,770 | 43,730 | 23.59 |
| 34 | 451 | 180 | 1,944 | 9.24 | 12.85 | 23.20 | 54.70 | 254,627 | 354,512 | 22.10 |
| 35 | 208 | 19 | 1,667 | 1.15 | 10.15 | 12.50 | 78.50 | 460 | 4,060 | 9.00 |
| 36 | 569 | 259 | 5,089 | 5.09 | 11.95 | 71.78 | 59.789 | 59,789 | 140,475 | 17.04 |
| 37 | 390 | 31 | 3,166 | 3.08 | 12.08 | 75.85 | 1,903 | 16,056 | 16,056 | 11.10 |
| 38 | 358 | 165 | 1,115 | 14.84 | 13.53 | 32.15 | 39.48 | 10,090 | 9,200 | 23.37 |
| 39 | 320 | 256 | 1,434 | 17.83 | 14.23 | 22.31 | 45.62 | 43,712 | 34,898 | 32.06 |
| 40 | 382 | 115 | 2,921 | 3.93 | 12.10 | 13.07 | 70.09 | 47,897 | 157,455 | 16.86 |
| 41 | 529 | 384 | 3,369 | 11.41 | 12.62 | 15.69 | 60.27 | 149,915 | 165,901 | 24.03 |
| 42 | 530 | 200 | 6,005 | 3.03 | 11.87 | 8.03 | 83.14 | 20,429 | 79,970 | 8.81 |
| 43 | 418 | 461 | 5,133 | 8.79 | 11.05 | 8.13 | 71.83 | 461,676 | 590,511 | 20.03 |
| 44 | 443 | 41 | 1,325 | 3.06 | 13.77 | 33.43 | 39.57 | 1,860 | 21,900 | 10.72 |
| 45 | 347 | 360 | 1,936 | 18.61 | 13.13 | 17.94 | 50.31 | 32,798 | 23,140 | 31.75 |
| 46 | 285 | 112 | 1,045 | 11.39 | 13.18 | 27.23 | 58.45 | 3,820 | 44,230 | 14.32 |
| 47 | 475 | 415 | 7,708 | 5.39 | 11.06 | 88.16 | 88.16 | 44,033 | 90,572 | 5.67 |
| 48 | 422 | 230 | 3,123 | 7.37 | 11.47 | 13.51 | 82.39 | 92,090 | 143,290 | 4.10 |
| 49 | 372 | 53 | 3,046 | 1.74 | 12.10 | 12.20 | 77.43 | 17,920 | 124,990 | 10.37 |
| 50 | 381 | 209 | 3,964 | 6.22 | 12.89 | 11.33 | 69.57 | 11,503 | 25,840 | 19.10 |
| 51 | 355 | 115 | 2,125 | 5.43 | 12.10 | 16.72 | 65.75 | 228,806 | 509,164 | 17.53 |
| 52 | 369 | 238 | 1,769 | 13.48 | 11.30 | 20.87 | 54.35 | 6,200 | 5,200 | 24.78 |
| 53 | 384 | 139 | 7,050 | 1.98 | 11.25 | 5.45 | 85.27 | 11,697 | 66,625 | 9.28 |
| 54 | 370 | 58 | 1,250 | 4.67 | 18.00 | 53.33 | 33.33 | 700 | 2,700 | 13.33 |
| 55 | 370 | 263 | 1,521 | 1.49 | 17.43 | 24.32 | 56.76 | 3,300 | 38,700 | 18.92 |
| 56 | 457 | 716 | 11,425 | 6.26 | 11.67 | 90.14 | 90.14 | 79,431 | 148,062 | 5.41 |
| 57 | 313 | 146 | 2,305 | 6.35 | 13.66 | 60.18 | 60.18 | 403,059 | 867,351 | 20.01 |
| 58 | 900 | 91 | 3,322 | 2.73 | 11.55 | 9.42 | 76.90 | 417,474 | 1,764,704 | 14.20 |
| 59 | 391 | 163 | 10,027 | 1.63 | 10.72 | 7.98 | 82.93 | 1,632 | 10,747 | 9.09 |
| 60 | 391 | 193 | 2,092 | 9.20 | 12.90 | 18.68 | 77.65 | 336,386 | 470,410 | 3.67 |

Summary by Counties—Continued.

| Marshall No... | Counties. | Number of establishments | Average number of employees..... | Capital invested..... | Wages paid during the year..... | Stock used | Value of product..... | Gross profit or loss. |
|----------------|------------------|--------------------------|----------------------------------|-----------------------|---------------------------------|------------------|-----------------------|----------------------------|
| 61 | Schuyler..... | 1 | 45 | \$50,000 | \$25,000 | \$100,000 | \$164,000 | \$39,000 |
| 62 | Shelby | 2 | 44 | 62,250 | 16,890 | 172,202 | 218,000 | 28,908 |
| 63 | Stephenson | 10 | 333 | 448,700 | 137,340 | 597,005 | 981,589 | 247,244 |
| 64 | Tazewell..... | 8 | 416 | 638,000 | 172,800 | 450,000 | 777,000 | 154,200 |
| 65 | Union | 3 | 85 | 10,500 | 20,000 | 132,000 | 167,300 | 15,300 |
| 66 | Vermillion..... | 9 | 146 | 232,500 | 64,439 | 305,394 | 432,685 | 62,853 |
| 67 | Warren | 3 | 480 | 577,748 | 177,705 | 265,015 | 513,025 | 70,305 |
| 68 | Washington..... | 5 | 100 | 257,500 | 48,241 | 884,950 | 1,167,000 | 229,809 |
| 69 | Wayne | 1 | 72 | 34,000 | 18,000 | 96,357 | 115,500 | 1,143 |
| 70 | White | 4 | 110 | 88,000 | 27,300 | 191,800 | 249,650 | 30,550 |
| 71 | Whiteside | 13 | 456 | 738,000 | 205,700 | 672,000 | 1,093,187 | 215,487 |
| 72 | Will..... | 27 | 2,294 | 2,596,590 | 917,631 | 7,358,262 | 10,990,370 | 2,714,477 |
| 73 | Winnebago..... | 36 | 1,636 | 2,326,342 | 692,337 | 1,542,280 | 3,007,657 | 772,940 |
| | Total | 1666 | 95,912 | \$93,381,764 | \$41,201,529 | \$219,511,348 | \$303,882,634 | \$43,169,757 |

Summary by Counties—Continued.

| Percentage of gross profit of value of product..... | Estimated interest and expenses..... | Net profit or loss..... | Percentage of stock used of value of product..... | Percentage of wages paid of value of product..... | Percentage of Int. and expenses of value of product..... | Percentage of net profit or loss of value of product..... | Average yearly product per employe..... | Average yearly net profit or loss per employe..... | Average yearly earnings of each employe..... | Marginal No.... |
|---|--------------------------------------|-------------------------|---|---|--|---|---|--|--|-----------------|
| 13.78 | \$19,400 | \$19,600 | 60.98 | 15.24 | 11.89 | 11.95 | \$3,644 | 436 | 556 | 61 |
| 13.26 | 25,535 | 3,373 | 78.99 | 7.75 | 11.71 | 1.55 | 4,955 | 77 | 344 | 62 |
| 25.19 | 125,081 | 122,163 | 60.82 | 13.99 | 12.74 | 12.45 | 2,948 | 367 | 412 | 63 |
| 19.85 | 115,980 | 38,220 | 57.90 | 22.24 | 14.93 | 4.92 | 1,868 | 92 | 413 | 64 |
| 9.15 | 17,360 | -2,060 | 78.90 | 11.95 | 10.38 | -1.23 | 1,968 | -24 | 235 | 65 |
| 14.53 | 57,219 | 5,633 | 70.58 | 14.89 | 13.23 | 1.30 | 2,964 | 39 | 441 | 66 |
| 13.70 | 85,968 | -15,663 | 51.66 | 34.64 | 16.76 | -3.05 | 1,069 | -33 | 370 | 67 |
| 19.68 | 192,150 | 97,659 | 76.17 | 4.13 | 11.32 | 8.37 | 11,670 | 977 | 482 | 68 |
| 9.99 | 13,590 | -12,447 | 89.43 | 15.58 | 11.77 | -10.78 | 1,004 | -173 | 250 | 69 |
| 12.34 | 30,245 | 305 | 76.83 | 10.94 | 12.11 | .12 | 2,270 | 5 | 248 | 70 |
| 19.71 | 153,599 | 61,888 | 61.47 | 18.82 | 14.05 | 5.66 | 2,397 | 136 | 451 | 71 |
| 24.70 | 1,254,827 | 1,459,650 | 66.95 | 8.35 | 11.42 | 13.28 | 4,791 | 636 | 406 | 72 |
| 25.70 | 440,837 | 332,603 | 51.28 | 23.02 | 14.64 | 11.06 | 1,838 | 203 | 423 | 73 |
| 14.21 | 35,991,168 | 7,178,589 | 72.24 | 13.56 | 11.84 | 2.36 | 3,168 | 75 | 430 | |

In the table which follows may be found the summarized results of the preceding table, showing the condition of the 34 industries under consideration, as to profit and loss. By this it will be seen that out of the 1,636 establishments only 9 show a gross loss; that is, the value of product in these cases was less than the cost of the material and labor used in its manufacture, aside from the running expense account. A gross profit is shown by 1,657 establishments, or 99 per cent. of the whole, and a net profit by 1,128, or 63 per cent., whereas 530, or 32 per cent. of the whole, indicate a net loss; that is, about one-third of these establishments, after deducting from their gross profits six per cent. on their capital as interest, and ten per cent of the value of their product to cover incidental expenses, find their balances against them.

It does not necessarily follow, however, that this proportion of the larger establishments of the State were actual losers on the year's business, for the reason, that it is entirely possible that many individual establishments may have been conducted on a narrower margin than that allowed for interest and running expenses in these tables. It may be observed, however, as confirmatory of this deduction for Illinois, that the same general result was reached in the Massachusetts tables. In those it was found that 33+ per cent. of their 2,440 establishments, in the 21 industries peculiar to that State, showed a net loss, computing interest and expenses upon the same basis adopted here.

While it is to be expected that a certain number of all commercial ventures will fail of profitable returns, an exceptionally large number of such will be observed in certain industries in this table.

Of those engaged in the manufacture of brooms and brushes 50 per cent. show a net loss, of those in building 57+ per cent., in cured and packed meats 88 per cent., in flour and meal 75+ per cent., in leather 51+ per cent., in railroad and other cars and materials 64+ per cent., and in woolen goods 62+ per cent. Here are seven industries out of the 34 in which one-half or more of those engaged in them fail to clear a net profit over all charges. What exceptional conditions, not entering into these computations, may have governed in these instances it is impossible to indicate.

PROFIT AND LOSS, BY INDUSTRIES.

| Industries. | ESTABLISHMENTS. | | | | |
|--|-----------------|----------------------|--------------------|--------------------|------------------|
| | Total. | Making gross profit. | Making gross loss. | Making net profit. | Making net loss. |
| Agricultural implements..... | 74 | 74 | ..... | 58 | 16 |
| Boots and shoes..... | 30 | 30 | ..... | 21 | 9 |
| Boxes..... | 32 | 31 | 1 | 17 | 15 |
| Brick..... | 51 | 51 | ..... | 50 | 1 |
| Brooms and brushes..... | 8 | 8 | ..... | 4 | 4 |
| Buildings..... | 107 | a 107 | ..... | 46 | 61 |
| Carriages and wagons..... | 83 | 83 | ..... | b 64 | 19 |
| Chemical preparations..... | 11 | 11 | ..... | 9 | 2 |
| Cigars..... | 39 | 39 | ..... | 29 | 10 |
| Clocks and watches..... | 5 | 5 | ..... | 3 | 2 |
| Clothing..... | 120 | 120 | ..... | 86 | 34 |
| Cooking and heating apparatus..... | 20 | 20 | ..... | 17 | 3 |
| Cured and packed meats..... | 54 | 54 | ..... | 6 | 48 |
| Drugs and medicines..... | 9 | 9 | ..... | 8 | 1 |
| Flour and meal..... | 97 | a 96 | 1 | 24 | 73 |
| Food preparations..... | 56 | 56 | ..... | 41 | 15 |
| Furniture..... | 118 | 118 | ..... | 92 | 26 |
| Leather..... | 39 | 39 | ..... | 19 | 20 |
| Lumber..... | 46 | 46 | ..... | 32 | 14 |
| Machines and machinery..... | 87 | 87 | ..... | 67 | 20 |
| Malt..... | 9 | 9 | ..... | 5 | 4 |
| Metals and metallic goods..... | 197 | 193 | 4 | a 151 | 46 |
| Musical instruments and materials..... | 10 | 10 | ..... | 9 | 1 |
| Paints and oils..... | 16 | 16 | ..... | 14 | 2 |
| Paper..... | 22 | 22 | ..... | 17 | 5 |
| Photographs and other likenesses..... | 9 | 9 | ..... | 9 | ..... |
| Printing and publishing..... | 123 | b 122 | 1 | b 105 | 18 |
| Railroad and other cars and materials..... | 14 | c 13 | 1 | 5 | 9 |
| Soaps..... | 10 | 10 | ..... | b 7 | 3 |
| Stone..... | 31 | 31 | ..... | 21 | 10 |
| Tobacco..... | 7 | 7 | ..... | 5 | 2 |
| Vessels, sails, etc..... | 11 | 11 | ..... | 8 | 3 |
| Wooden goods..... | 105 | 105 | ..... | b 73 | 32 |
| Woolen goods..... | 16 | 15 | 1 | 6 | 10 |
| Totals..... | 1,666 | d 1,657 | 9 | e 1,128 | 538 |

a. Including 2 showing neither profit nor loss.

b. Including 1 showing neither profit nor loss.

c. Including 3 showing neither profit nor loss.

d. Including 8 showing neither profit nor loss.

e. Including 6 showing neither profit nor loss.

The table next presented consists of a classification of employes in the various industries, showing the actual and proportionate number of men, women, children and youth employed in each. As an appropriate supplementary feature, a column is introduced from a preceding table, giving the average yearly earnings of each employe in the respective industries.

In one small industry only—the manufacture of malt—the employes are men exclusively, while in 14 others men constitute over 90 per cent. of the employed, and of the whole 95,912 employes in these selected industries, 81.77 per cent. are men.

In six industries no women are employed, and in one only—clothing—there are more women than men. The highest percentages of women are found in the manufactures of clocks and watches, 95.02, clothing 59.54, drugs and medicines 34.56, photographs and other likenesses 34.34, and woolen goods 38.22. For all industries 12.16 per cent. of all employes are women.

Children and youth constitute only 6.07 per cent. of all employes—by far the largest percentage, 37.75, being found in the tobacco factories. In Massachusetts, 4.93 per cent. of the workers are children, 30.13 per cent., more than double our proportion, are women, and 64.94 per cent. are men, as against 81.77 per cent. of men in this State.

CLASSIFICATION OF EMPLOYES, BY INDUSTRIES.

| Industries. | EMPLOYES. | | | PERCENTAGE. | | | Average yearly earnings of each employe. |
|--|-----------|----------|---------|-------------|---------|-----------------------|--|
| | Total.... | Men..... | Women.. | Men..... | Women.. | Children and youth... | |
| Agricultural implements..... | 6,802 | 6,499 | 24 | 279 | 95.55 | 35 | 4.10 |
| Boots and shoes..... | 2,064 | 1,985 | 328 | 41 | 82.12 | 15.89 | 1.99 |
| Boxes..... | 2,007 | 1,659 | 165 | 183 | 82.66 | 8.22 | 9.12 |
| Brick..... | 1,874 | 1,739 | 13 | 122 | 92.80 | 69 | 6.51 |
| Brooms and brushes..... | 308 | 224 | 62 | 22 | 72.73 | 20.13 | 7.14 |
| Buildings..... | 3,704 | 3,670 | — | 34 | 99.08 | — | .92 |
| Carriages and wagons..... | 2,497 | 2,296 | 35 | 166 | 91.95 | 1.40 | 6.65 |
| Chemical preparations..... | 784 | 683 | 106 | 15 | 84.57 | 13.52 | 1.91 |
| Cigars..... | 1,252 | 1,010 | 152 | 90 | 80.67 | 12.14 | 7.19 |
| Clocks and watches..... | 1,659 | 1,938 | 581 | 40 | 62.57 | 35.02 | 2.41 |
| Clothing..... | 12,569 | 4,623 | 7,483 | 463 | 36.78 | 59.54 | 3.68 |
| Cooking and heating apparatus..... | 1,119 | 1,090 | — | 29 | 97.41 | — | 2.59 |
| Cured and packed meats..... | 10,212 | 9,518 | — | 694 | 93.20 | — | 6.80 |
| Drugs and medicines..... | 191 | 110 | 66 | 15 | 57.59 | 34.56 | 7.85 |
| Flour and meal..... | 1,838 | 1,797 | 2 | 39 | 97.77 | .11 | 2.12 |
| Food preparations..... | 2,647 | 1,683 | 495 | 489 | 62.83 | 18.70 | 18.47 |
| Furniture..... | 5,951 | 5,365 | 122 | 464 | 90.15 | 2.05 | 7.80 |
| Leather..... | 1,839 | 1,570 | 216 | 53 | 85.37 | 11.75 | 2.88 |
| Lumber..... | 1,769 | 1,584 | 4 | 181 | 89.54 | 23 | 10.23 |
| Machines and machinery..... | 3,756 | 3,647 | 5 | 104 | 97.10 | .13 | 2.77 |
| Malt..... | 199 | 199 | — | — | 100.00 | — | — |
| Metals and metallic goods..... | 14,949 | 13,780 | 349 | 820 | 92.18 | 2.33 | 5.49 |
| Musical instruments and materials..... | 329 | 287 | 1 | 41 | 87.24 | .30 | 12.46 |
| Paints and oils..... | 389 | 356 | 21 | 12 | 91.52 | 5.40 | 3.08 |
| Paper..... | 750 | 632 | 79 | 39 | 84.27 | 10.53 | 5.20 |
| Photographs and other likenesses..... | 99 | 53 | 34 | 2 | 63.64 | 34.34 | 2.02 |
| Printing and publishing..... | 4,606 | 3,669 | 651 | 440 | 76.59 | 13.97 | 9.44 |
| Railroad and other cars and materials..... | 1,578 | 1,554 | — | 24 | 98.48 | — | 1.52 |
| Soaps..... | 456 | 373 | 23 | 60 | 81.80 | 5.04 | 13.16 |
| Stone..... | 1,084 | 1,020 | — | 14 | 98.65 | — | 1.35 |
| Tobacco..... | 1,041 | 451 | 197 | 393 | 43.32 | 18.93 | 37.75 |
| Vessels, sails, etc..... | 401 | 301 | 91 | 9 | 75.06 | 22.69 | 2.25 |
| Woolen goods..... | 4,374 | 3,096 | 45 | 333 | 91.36 | 1.03 | 7.61 |
| Woolen goods..... | 811 | 389 | 310 | 112 | 47.97 | 38.22 | 13.81 |
| Total..... | 95,912 | 78,490 | 11,660 | 5,822 | 81.77 | 12.16 | 6.07 |

CHAPTER III.

INDUSTRIAL COMPARISON BETWEEN ILLINOIS AND MASSACHUSETTS.

Having completed the presentation for the Industries of Illinois, it may be interesting to compare the results with those obtained in Massachusetts, as shown by the report of the Bureau of Statistics of Labor in that State for 1883. The tables which follow are devoted to that object.

By the first is shown the industries, the number of establishments, and the number of employes covered by the investigation in each State. Twenty-one industries represented by 2,440 establishments were taken in Massachusetts, and 34 industries represented by 1,666 establishments in Illinois. The 2,440 establishments of the former State employed 207,793 hands; the 1,666 establishments of the latter employed 95,912 hands. The whole number of manufacturing establishments in each State is about the same, Illinois having 14,549 and Massachusetts 14,852. Illinois has 1,848 establishments in which \$5,000 or more was paid in wages during the census year, and 1,666 of these were used in the investigation. Massachusetts has 3,663 establishments in which \$5,000 or more was paid in annual wages, and 2,440 were used in the investigation. Thus there appears to be in Massachusetts nearly twice as many large establishments as in Illinois, and not only a greater number but the establishments themselves are more extensive, as is shown by the fact that the average number of employes to each in Illinois is only 57+ while the average for each establishment in Massachusetts is 85+.

MANUFACTURING ESTABLISHMENTS IN ILLINOIS AND MASSACHUSETTS, PAYING \$5,000 OR MORE EACH IN ANNUAL WAGES, WHICH FORM THE BASIS OF INVESTIGATION.

| Industries. | NUMBER OF ESTABLISHMENTS. | | NUMBER OF EMPLOYEES. | |
|---|---------------------------|-------|----------------------|---------|
| | Illinois. | Mass. | Illinois. | Mass. |
| Agricultural implements | 74 | | 6,802 | |
| Boots and shoes | 30 | 460 | 2,064 | 37,657 |
| Boxes | 32 | 30 | 2,007 | 775 |
| Brick | 51 | 20 | 1,874 | 1,135 |
| Brooms and brushes | 8 | | 308 | |
| Buildings | 107 | 240 | 3,704 | 5,645 |
| Carriages and wagons | 83 | 90 | 2,497 | 1,963 |
| Chemical preparations | 11 | | 784 | |
| Cigars | 39 | | 1,232 | |
| Clocks and watches | 5 | | 1,659 | |
| Clothing | 120 | 160 | 12,569 | 11,435 |
| Cooking and heating apparatus | 20 | | 1,119 | |
| Cotton goods | | 150 | | 59,684 |
| Cured and packed meats | 54 | | 10,212 | |
| Drugs and medicines | 9 | | 191 | |
| Flour and meal | 97 | | 1,838 | |
| Food preparations | 56 | 70 | 2,647 | 2,901 |
| Furniture | 118 | 100 | 5,951 | 3,133 |
| Leather | 89 | 160 | 1,839 | 6,703 |
| Lumber | 46 | | 1,769 | |
| Machines and machinery | 87 | 150 | 3,756 | 11,580 |
| Malt | 9 | | 199 | |
| Metals and metallic goods | 197 | 270 | 14,949 | 18,249 |
| Musical instruments and materials | 10 | 40 | 329 | 2,821 |
| Paints and oils | 16 | | 349 | |
| Paper | 22 | 70 | 750 | 6,354 |
| Photographs and other likenesses | 9 | | 99 | |
| Printing and publishing | 123 | 100 | 4,660 | 5,237 |
| Railroad and other cars and materials | 14 | | 1,578 | |
| Rubber and elastic goods | | 25 | | 2,644 |
| Soaps | 10 | | 456 | |
| Stone | 31 | 40 | 1,034 | 1,370 |
| Tobacco | 7 | 30 | 1,041 | 905 |
| Vessels, sails, etc | 11 | | 401 | |
| Wooden goods | 105 | 70 | 4,374 | 2,534 |
| Woolen goods | 16 | 150 | 811 | 22,597 |
| Worsted goods | | 15 | | 2,483 |
| Totals | 1,666 | 2,440 | 95,912 | 207,798 |

NOTE.—The blank spaces indicate industries not tabulated for that State. In Massachusetts, cured and packed meats and flour and meal are included in food preparations, and cigars are included in tobacco.

For a comparison of the data used for the basis of the work in both States, the following compendium is given for the 1,666 and 2,440 establishments respectively, and will be found sufficiently explicit as to the salient features of both groups. It will be observed that the percentages for Illinois are materially larger in every respect, save one, than those for Massachusetts, and the deductions arrived at should consequently be a correspondingly nearer approach to the exact facts for the State at large.

NUMBER OF MANUFACTURING ESTABLISHMENTS, CAPITAL, ETC., COMPARED.

| | Illinois. | Massachusetts. |
|--|---------------|----------------|
| Total manufacturing establishments in the State..... | 14,549 | 14,352 |
| Number of establishments tabulated..... | 1,666 | 2,410 |
| Per cent. of establishments tabulated of total number... | 11+ | 17+ |
| Amount of capital employed in all establishments..... | \$140,652,066 | \$309,806,185 |
| Amount of capital employed in establishments tabulated..... | \$93,331,754 | \$161,936,565 |
| Per cent. of capital employed in establishments tabulated..... | 66+ | 53+ |
| Amount of wages paid in all establishments..... | \$57,429,085 | \$128,315,362 |
| Amount of wages paid in establishments tabulated..... | \$41,201,529 | \$74,700,851 |
| Per cent. of wages paid in establishments tabulated..... | 71+ | 58+ |
| Amount of stock used in all establishments..... | \$289,843,907 | \$386,972,655 |
| Amount of stock used in establishments tabulated..... | \$219,511,348 | \$224,005,811 |
| Per cent. of stock used in establishments tabulated..... | 75+ | 57+ |
| Amount of product for all establishments..... | \$414,864,673 | \$631,135,284 |
| Amount of product for establishments tabulated..... | \$303,882,634 | \$361,181,439 |
| Per cent. of product for establishments tabulated..... | 73+ | 57+ |

The subject of relative wages in the two States is illustrated by the following grouping of the employes in each under a daily wage classification. The noticeable fact brought out by this comparison is that the proportion of establishments in each State which pay \$2, \$2.25 and \$2.50 per day, are nearly equal, but that for rates less than \$2 and more than \$2.50, the proportion is much greater in Illinois.

WAGES OF EMPLOYEES, BY GROUPS, COMPARED.

| | ESTABLISHMENTS PAYING SKILLED MECHANICS THE AVERAGE DAILY WAGE INDICATED. | | | |
|-------------------------------------|---|-----------|----------------|-----------|
| | ILLINOIS. | | MASSACHUSETTS. | |
| | Number. | Per cent. | Number. | Per cent. |
| Under \$1..... | 4 | .24 | 2 | .08 |
| \$1 to \$1.50..... | 24 | 1.44 | 47 | 1.93 |
| \$1.50..... | 67 | 4.02 | 95 | 3.89 |
| Above \$1.50, but under \$1.75..... | 10 | .60 | 37 | 1.52 |
| \$1.75..... | 103 | 6.18 | 97 | 3.98 |
| Above \$1.75, but under \$2..... | 14 | .84 | 25 | 1.03 |
| \$2..... | 409 | 24.54 | 567 | 23.23 |
| Above \$2, but under \$2.25..... | 10 | .60 | 23 | .94 |
| \$2.25..... | 203 | 12.18 | 245 | 10.04 |
| Above \$2.25, but under \$2.50..... | 19 | 1.14 | 25 | 1.03 |
| \$2.50..... | 402 | 24.13 | 605 | 24.79 |
| Above \$2.50, but under \$3..... | 92 | 5.52 | 82 | 3.36 |
| \$3..... | 186 | 11.16 | 206 | 8.44 |
| Above \$3..... | 86 | 5.19 | 67 | 2.75 |
| Not given..... | 37 | 2.22 | 317 | 12.99 |
| Totals..... | 1,666 | 100.00 | 2,440 | 100.00 |

A comparison of the Running Time of establishments in the two States is made next, showing at a glance the number in each which run respectively 8 hours, 8½, 8¾, etc., to 12½ hours per day. This showing indicates rather better hours in Massachusetts, which

may doubtless be ascribed to the effect of the law in that State, which prohibits the employment of women or children more than ten hours a day. In Massachusetts, 30.13 per cent. of all employes are women, while in Illinois only 12.16 per cent. are women, and the preponderance of this class, and the laws governing their employment in Massachusetts, prepare us for finding 80+ per cent. of the establishments in Massachusetts running 10 hours, as against 63+ per cent. of those in Illinois. This disparity is modified somewhat by the fact that 26+ per cent. in Illinois run less than 10 hours, as against 16+ per cent. of those in Massachusetts; but, on the other hand, the number of those which run more than 10 hours is much greater in Illinois than in Massachusetts.

RUNNING-TIME OF ESTABLISHMENTS, COMPARED.

| Average Daily Running Time Equal to— | No. of Establishments. | |
|--|------------------------|----------------|
| | Illinois. | Massachusetts. |
| 8 hours | 33 | 26 |
| 8½ hours | 1 | 1 |
| 8¾ hours | 4 | 13 |
| 8¾ hours | 1 | 1 |
| 9 hours | 189 | 186 |
| 9¼ hours | 1 | 3 |
| 9½ hours | 216 | 182 |
| 9¾ hours | 1 | 2 |
| 10 hours | 1,657 | 1,960 |
| 10¼ hours | 10 | 1 |
| 10½ hours | 32 | 14 |
| 11 hours | 2 | 27 |
| 11¼ hours | 2 | 1 |
| 12 hours | 102 | 24 |
| 12½ hours | 1 | 1 |
| Not given | 16 | 1 |
| Totals | 1,666 | 2,440 |
| Per cent. running less than 10 hours | 26+ | 16+ |
| Per cent. running 10 hours | 63+ | 80+ |
| Per cent. running more than 10 hours | 9+ | 2+ |

The relative number of months of activity and idleness in manufactures in the two States is indicated, in epitome, by the following table. The discrepancy is very slight, the average duration of active operations in Illinois being 11.34 months per annum, and in Massachusetts 11.57 months—the idle time in each, omitting Sundays and holidays, being represented by 20 days in the year for Illinois and 13 days for Massachusetts.

WORKING TIME AND IDLENESS COMPARED.

| | ILLINOIS. | | | MASSACHUSETTS. | | |
|--|---|--|---|---|--|---|
| | Aggregate months of all establishments..... | Average months for each establishment..... | Per cent. of possible working time..... | Aggregate months of all establishments..... | Average months for each establishment..... | Per cent. of possible working time..... |
| Possible working time of all establishments..... | 19,890 | 12.00 | 100.00 | 29,280 | 12.00 | 100.00 |
| Full time worked by all establishments..... | 17,686% | 10.72 | 89.33 | 26,882 | 11.01 | 91.80 |
| Three-fourths time worked by all establishments..... | 619 | .37 | 3.13 | 635 | .26 | 2.17 |
| Two-thirds time worked by all establishments..... | 65 | .04 | .33 | 137 | .06 | .47 |
| One-half time worked by all establishments..... | 346 | .21 | 1.75 | 586 | .24 | 2.00 |
| Entire working time of all establishments..... | 18,716% | 11.34 | 94.53 | 28,24 | 11.57 | 96.44 |
| Idle time of all establishments..... | 1,083 | .66 | 5.47 | 10.40 | .43 | 3.56 |
| Number of establishments considered (Illinois) a..... | | | | 1,650 | | |
| Average number of employes (Illinois)..... | | | | 95,101 | | |
| Number of establishments considered (Massachusetts)..... | | | | 2,440 | | |
| Average number of employes (Massachusetts)..... | | | | 207,793 | | |

a.—The 16 establishments engaged in the manufacture of woolen goods are omitted, as the necessary data were not reported.

In the succeeding table a comparison is made between the two States, by industries, of the average working time, the average daily earnings, and the average yearly earnings of all employes. The working time shown here is on the basis of full days' work, the half time, two-thirds time and three-fourths time being reduced to full time. The daily earnings are \$1.51 in Illinois, and \$1.23 in Massachusetts, and the yearly earnings in the former are \$430, and in the latter \$358. Both amounts seem very low, but it must be remembered that they are not the yearly earnings of men, but an average of all the earnings of men, women and children. If reference be had to the final table of this series—Classes of Employes, by Industries, Compared—the difference in these daily and yearly averages in the two States may be largely accounted for without assuming that the earnings of the heads of families are very much

less in one than in the other. By this table it will be seen that 35.56 per cent. of the employes in Massachusetts are women and children, while only 18.23 per cent. of those in Illinois are of these classes. In other words, Massachusetts employs nearly twice as many women and children in her industries as Illinois, and this large proportion of cheap labor would, doubtless, account in a great measure for the discrepancy in these averages of earnings in the two States.

WORKING TIME AND EARNINGS, BY INDUSTRIES, COMPARED.

| Industries. | ILLINOIS. | | | MASSACHUSETTS. | | |
|---|---|--|---------------------------------------|---|--|---------------------------------------|
| | Average yearly earnings of each employe | Average daily earnings of each employe | Average work-ing time, in months..... | Average yearly earnings of each employe | Average daily earnings of each employe | Average work-ing time, in months..... |
| Agricultural implements | 10.55 | \$1.67 | \$450 | | | |
| Boots and shoes | 11.49 | 1.37 | 374 | 10.60 | \$1.41 | 382 |
| Boxes | 11.24 | 1.32 | 380 | 11.16 | 1.23 | 353 |
| Brick | 7.15 | 1.81 | 331 | 7.75 | .93 | 189 |
| Brooms and brushes | 11.34 | 1.14 | 332 | | | |
| Buildings | 10.78 | 1.76 | 486 | 10.98 | 1.69 | 475 |
| Carriages and wagons | 11.70 | 1.53 | 458 | 11.59 | 1.58 | 497 |
| Chemical preparations | 11.45 | 1.24 | 364 | | | |
| Cigars | 12.00 | 1.33 | 407 | | | |
| Clocks and watches | 11.80 | 1.62 | 488 | | | |
| Clothing | 11.32 | 1.28 | 364 | 11.49 | 1.20 | 352 |
| Cooking and heating apparatus | 11.20 | 1.35 | 530 | | | |
| Cotton goods | | | | 11.95 | .85 | 259 |
| Cured and packed meats | 9.27 | 1.63 | 386 | | | |
| Drugs and medicines | 11.83 | 1.43 | 433 | | | |
| Flour and meal | 10.63 | 1.95 | 531 | | | |
| Food preparations | 11.39 | 1.33 | 387 | 11.53 | 1.58 | 465 |
| Furniture | 11.51 | 1.51 | 446 | 11.54 | 1.56 | 461 |
| Leather | 11.92 | 1.55 | 472 | 11.76 | 1.50 | 452 |
| Lumber | 10.07 | 1.23 | 317 | | | |
| Machines and machinery | 11.80 | 1.76 | 513 | 11.83 | 1.61 | 488 |
| Malt | 9.78 | 1.69 | 472 | | | |
| Metals and metallic goods | 11.46 | 1.55 | 455 | 11.49 | 1.45 | 426 |
| Musical instruments and materials | 11.80 | 2.00 | 603 | 11.75 | 1.98 | 589 |
| Paints and oils | 11.75 | 1.78 | 535 | | | |
| Paper | 11.01 | 1.37 | 385 | 11.51 | 1.17 | 345 |
| Photographs and other likenesses | 12.00 | 2.06 | 632 | | | |
| Printing and publishing | 11.83 | 1.78 | 538 | 11.74 | 1.77 | 531 |
| Railroad and other cars and materials | 11.68 | 1.55 | 462 | | | |
| Rubber and elastic goods | | | | 11.70 | 1.04 | 312 |
| Soaps | 12.00 | 1.27 | 390 | | | |
| Stone | 10.85 | 1.68 | 465 | 11.25 | 1.47 | 423 |
| Tobacco | 10.86 | 1.22 | 339 | 11.74 | 1.33 | 396 |
| Vessels, sails, etc. | 11.00 | 1.87 | 526 | | | |
| Wooden goods | 11.48 | 1.37 | 401 | 11.75 | 1.39 | 383 |
| Woolen goods | | | | 11.78 | 1.04 | 313 |
| Worsted goods | | | | 12.00 | .94 | 289 |
| Averages | 11.13 | \$1.51 | \$430 | 11.36 | \$1.23 | \$358 |

NOTE.—The blank spaces indicate industries not tabulated for that State. In Massachusetts cured and packed meats and flour and meal are included in food preparations, and cigars are included in tobacco.

The next table illustrates the very close agreement between the States as to the proportion of establishments in the various industries of each, which show net gain and net loss. The computations for both are made upon the common basis of six per cent. on the capital invested for account of interest, and ten per cent. on value of product, for expenses additional to the cost of materials and of labor. The ultimate averages for the States are almost identical, though a wide divergence will be observed in some cases as to individual industries.

PROFIT AND LOSS, BY INDUSTRIES, COMPARED.

| Industries. | ILLINOIS. | | MASSACHUSETTS. | |
|--|--|---|--|---|
| | Per cent. of establishments making net profit..... | Per cent. of establishments incurring net loss..... | Per cent. of establishments making net profit..... | Per cent. of establishments incurring net loss..... |
| Agricultural implements..... | 78+ | 21+ | | |
| Boots and shoes..... | 70 | 30 | 56+ | 43+ |
| Boxes..... | 53+ | 46+ | 76+ | 23+ |
| Brick..... | 98+ | 1+ | 60 | 40 |
| Brooms and brushes..... | 50 | 50 | | |
| Buildings..... | 43 | 57 | 65+ | 34+ |
| Carriages and wagons..... | 77+ | 22+ | 63+ | 36+ |
| Chemical preparations..... | 81+ | 18+ | | |
| Cigars..... | 77+ | 25+ | | |
| Clocks and watches..... | 60 | 40 | | |
| Clothing..... | 71+ | 28+ | 77+ | 22+ |
| Cooking and heating apparatus..... | 85 | 15 | | |
| Cotton goods..... | | | 74 | 26 |
| Cured and packed meats..... | 11+ | 88+ | | |
| Drugs and medicines..... | 88+ | 11+ | | |
| Flour and meal..... | 24+ | 75+ | | |
| Food preparations..... | 73+ | 26+ | 47+ | 52+ |
| Furniture..... | 73 | 27 | 78 | 22 |
| Leather..... | 48+ | 51+ | 46+ | 53+ |
| Lumber..... | 69+ | 30+ | | |
| Machines and machinery..... | 77 | 23 | 75+ | 24+ |
| Malt..... | 55+ | 44+ | | |
| Metals and metallic goods..... | 76+ | 23+ | 70+ | 30+ |
| Musical instruments and materials..... | 90 | 10 | 70 | 30 |
| Paints and oils..... | 87+ | 12+ | | |
| Paper..... | 77+ | 22+ | 68+ | 31+ |
| Photographs and other likenesses..... | 100 | | | |
| Printing and publishing..... | 85+ | 14+ | 87 | 13 |
| Railroad and other cars and materials..... | 35+ | 64+ | | |
| Rubber and elastic goods..... | | | 72 | 28 |
| Soaps..... | 70 | 30 | | |
| Stones..... | 67+ | 32+ | 77+ | 22+ |
| Tobacco..... | 71+ | 28+ | 63+ | 36+ |
| Vessels, sails, etc..... | 72+ | 27+ | | |
| Wooden goods..... | 69+ | 30+ | 62+ | 37+ |
| Woolen goods..... | 37+ | 62+ | 73+ | 26+ |
| Worsted goods..... | | | 53+ | 46+ |
| Percentages..... | 67+ | 32+ | 66+ | 33+ |

NOTE.—The blank spaces occurring in both profit and loss columns indicate industries not tabulated for that State. In Massachusetts, cured and packed meats, and flour and meal, are included in food preparations; and cigars are included in tobacco. Six establishments in Illinois (distributed among five industries), which showed neither profit nor loss, are credited to the profit column.

The final comparison to be instituted in this connection is that of the classification of employés, showing the percentages of men, of women, and of children and youth employed in each industry for both States. For Illinois the percentages relate to the 95,912 hands employed in the 1,666 establishments in which \$5,000 or more was paid in annual wages; but for Massachusetts they relate to the hands employed in all the manufacturing industries of the State, the employés of the 2,440 establishments in which \$5,000 or more was paid in wages, not having been classified separately. The proportion, however, for the State, would probably be substantially maintained for the larger establishments.

A glance at this table shows about two and a half times as large a percentage of women employed in Massachusetts as in Illinois. On the other hand, Massachusetts employs a smaller percentage of children and youth, which class, it should be understood, embraces boys 16 years of age or under, and girls 15 years of age or under. In one industry, boots and shoes, the proportion is practically the same, but in every other the difference is very marked, and the excess is always in Illinois. The industries which employ the highest percentages of children in Massachusetts are cotton goods 12 per cent., woolen goods 10 per cent., and worsted goods 11 per cent.; whereas in the tobacco factories of this State 37.75 per cent. of all employés are children; in the woolen mills 13.81 per cent. are children, in the soap factories 13.16 per cent., in the manufacture of musical instruments 12.46 per cent., in lumber 10.23 per cent., and in food preparations 18.47 per cent.

These percentages, however, must not be confounded with numbers. There are in fact 17,445 children and youth at work in Massachusetts, and 8,936 in Illinois, and more children employed in the three textile industries mentioned in Massachusetts than in the whole State of Illinois, yet the percentage of child labor to adult labor is greater in this State than in Massachusetts.

CLASSES OF EMPLOYES, BY INDUSTRIES, COMPARED.

| Industries. | ILLINOIS: PERCENT- AGE FOR 1,666 INDUS- TRIES OF— | | | MASSACHUSETTS: PER- CENTAGE FOR ALL IN- DUSTRIES OF— | | |
|--|---|---------|-----------------------------|--|---------|-----------------------------|
| | Men..... | Women.. | Children and youth... | Men..... | Women.. | Children and youth... |
| Agricultural implements..... | 95.55 | 35 | 4.10 | 97.90 | 10 | 2.00 |
| Boots and shoes..... | 83.12 | 15.89 | 1.99 | 75.00 | 23.00 | 2.00 |
| Boxes..... | 82.66 | 8.22 | 9.12 | 51.00 | 46.00 | 3.00 |
| Brick..... | 92.80 | 69 | 6.51 | 99.01 | 0.09 | .90 |
| Brooms and brushes..... | 72.73 | 20.13 | 7.14 | 72.10 | 27.00 | .90 |
| Building..... | 99.08 | | .92 | 99.10 | .39 | .51 |
| Carriages and wagons..... | 91.95 | 1.40 | 6.65 | 99.09 | .80 | .11 |
| Chemical preparations..... | 84.57 | 13.52 | 1.91 | 100.00 | | |
| Cigars..... | 80.67 | 12.14 | 7.19 | | | |
| Clocks and watches..... | 62.57 | 35.02 | 2.41 | 64.15 | 35.85 | |
| Clothing..... | 36.78 | 59.54 | 3.68 | 25.00 | 72.00 | 3.00 |
| Cooking and heating apparatus..... | 97.41 | | 2.59 | 99.90 | | .10 |
| Cotton goods..... | | | | 37.00 | 61.00 | 12.00 |
| Cured and packed meats..... | 98.20 | | 6.80 | | | |
| Drugs and medicines..... | 57.69 | 34.56 | 7.85 | 80.00 | 19.00 | 1.00 |
| Flour and meal..... | 97.77 | .11 | 2.12 | | | |
| Food preparations..... | 62.83 | 18.70 | 18.47 | 81.00 | 16.00 | 3.00 |
| Furniture..... | 90.15 | 2.05 | 7.80 | 92.00 | 6.00 | 2.00 |
| Leather..... | 85.97 | 11.75 | 2.88 | 97.00 | 2.00 | 1.00 |
| Lumber..... | 89.54 | .23 | 10.23 | 99.00 | | 1.00 |
| Machines and machinery..... | 97.10 | .13 | 2.77 | 97.00 | 1.00 | 2.00 |
| Malt..... | 100.00 | | | | | |
| Metals and metallic goods..... | 192.18 | 2.33 | 5.49 | 88.00 | 9.00 | 3.00 |
| Musical instruments and materials..... | 87.24 | .30 | 12.46 | 97.10 | 2.00 | .90 |
| Paints and oils..... | 91.52 | 5.40 | 3.08 | 93.00 | 6.00 | 1.00 |
| Paper..... | 84.27 | 10.53 | 5.20 | 46.20 | 53.00 | .80 |
| Photographs and other likenesses..... | 63.64 | 34.34 | 2.02 | 64.10 | 35.00 | .90 |
| Printing and publishing..... | 76.59 | 13.97 | 9.44 | 72.00 | 25.00 | 3.00 |
| Railroad and other cars and materials..... | 98.48 | | 1.52 | 98.00 | 2.00 | |
| Rubber and elastic goods..... | | | | 41.00 | 56.00 | 3.00 |
| Soaps..... | 81.80 | 5.04 | 13.16 | | | |
| Stone..... | 98.65 | | 1.35 | 99.92 | .04 | .04 |
| Tobacco..... | 43.32 | 18.98 | 37.75 | 70.00 | 28.00 | 2.00 |
| Vessels, sails, etc..... | 75.06 | 22.69 | 2.25 | 100.00 | | |
| Wooden goods..... | 91.36 | 1.03 | 7.61 | 89.00 | 7.00 | 4.00 |
| Woolen goods..... | 47.97 | 38.22 | 13.81 | 52.00 | 38.00 | 10.00 |
| Worsted goods..... | | | | 40.00 | 49.00 | 11.00 |
| Percentages..... | 81.77 | 12.16 | 6.07 | 64.94 | 30.13 | 4.93 |

NOTE.—The blank spaces occurring in each of the three columns devoted to a State indicate an industry not tabulated. In Massachusetts, cured and packed meats and flour and meal are included in food preparations, and cigars are included in tobacco.

In closing this portion of the report, it may be remarked that the presentation here made, illustrating the profits of capital and the rewards of labor, has been prepared in the belief that it will afford some substantial contribution to the data upon which the final adjustment between capital and labor must be based.

It is not of so much moment as might at first appear, that we do not arrive at the actual profit and loss in any individual case, but content ourselves with supposititious figures of general application. These are sufficiently approximate and so relatively true as to answer all purposes of legitimate deduction. A series of such tables, prepared at successive census periods, would exhibit in the most clear and convincing manner the actual and relative condition of

affairs, and furnish authentic bases for a comparative study of economic problems, possessing the highest value. What is true of such a line of investigation in our State is equally so of others, and would be doubly so for the country at large.

Limited and local statistics may have value for purposes of local legislation, as demonstrated by reports of this Bureau in relation to the condition of coal miners, but the real questions at issue here and in the country at large are fundamental, affecting the relations existing between the two most active elements of society at large, and the importance of similar tabulations to the foregoing for all the industrial States cannot be estimated too highly.

The disposition which has been manifested of late years in many of the States, and more recently by the general government, to establish bureaus for this specific work, is a recognition of the sentiment that with the growth of industrial enterprise in this country, and of classes dependent upon it, grave issues may be impending as to which precedents will be wanting, owing to the anomalous structure of society in this country, and which will render an exact knowledge of facts and conditions imperative.

PART II.

Earnings, Expenses and Condition of Work-
ingmen and their Families,

IN ILLINOIS.

CHAPTER I.

INTRODUCTION.

In Part I of this report there are presented tables deduced from statements made by the manufacturers of the State, to agents of the general government, showing the rates of wages paid to employés, and the relation those wages sustain to the estimated profit or loss realized upon the product of the labor of those employés. That showing is supplemented in the following pages by tabulations of statements made by individual workmen throughout the State to agents of this Bureau, as to their actual earnings during the year preceding April, 1884, and the relation those earnings sustained to the amounts actually expended for the support of their families.

The enquiry of the general government, through its census officials, as to manufactures was directed to every establishment in the State, the value of whose annual product was \$500 or more. Those schedules therefore present the exact facts for the State at large as to the specific points embraced in the enquiry, and the results arrived at are actual and final. The investigation entered upon by this Bureau with its limited resources, could not of course reach every workingman in the State, and has necessarily been confined to those who, so far as possible, were representatives of the various occupations in the various localities. The results obtained, consequently, only approximate the actual condition of the classes considered in proportion as the individuals taken truly represent their respective classes. With this consideration in view the

investigation was made as general as the facilities at the command of the Bureau permitted, and as discriminating as possible. Many thousands of families in the principal industrial centers of the State were visited, by the representatives of the Bureau, for the purpose of obtaining detailed information of their condition; and notwithstanding the indifference of some, and the indisposition of others, the number of those who responded to our interrogatories were greater than at first anticipated. It was made the duty of the canvasser to visit all classes of people who were working for wages, both in skilled and unskilled employments, and those illustrating all degrees of prosperity and adversity; to explain the purposes of the Bureau, and, if necessary, assist in making up a correct statement of the facts elicited; also to make memoranda based upon personal observations as to the general condition and apparent sanitary and social surroundings of each family. In many instances it was found, as expected, that an exact record of receipts and expenditures was not preserved and from some of these no available data whatever could be procured. In other cases partial accounts were kept, or could be referred to, upon which a very close estimate could be fairly established. As was also anticipated more or less prejudice was encountered, and reluctance on the part of some, especially the more prosperous, to furnish facts of which they were possessed, owing to imperfect or erroneous ideas as to the use to be made of them. Notwithstanding obstacles of this character, however, there were everywhere found intelligent men and women ready to cooperate with and assist the Bureau in prosecuting this work, and from such are the details herein presented principally derived.

This work was undertaken in the principal cities and towns, or mining or manufacturing centers, and although failure was encountered in some localities, either through inability to secure suitable agents, or their lack of adaptability for this particular work, the returns have been on the whole gratifying both in number and character. After excluding doubtful and imperfect statements, we are able to present herewith a picture more or less complete of the real and relative condition of 2,129 families of workingmen in Illinois. These families embrace a total of 9,834 persons, living in 51 different cities, towns and villages, engaged in 163 different occupations, and representing 16 different nationalities.

From so large a number of individual cases, covering so great a diversity of condition and surroundings, we should be able to deter-

mine with some degree of exactness very just averages on a variety of subjects, notwithstanding the investigation is less comprehensive than that of a general census.

So far as is known, this enquiry embraces a very much larger number and variety of working people than any of a similar character which has preceded it in this country; and as the presumption in favor of any deductions made, increases with the number of individual cases brought under consideration, provided they are fairly representative, the results of the investigation should possess an unusual interest and value.

We have designed to make this investigation not only so comprehensive as to give the impress of truth to such conclusions as might be reached, but at the same time to make it wholly impartial and unprejudiced. The instructions to our agents were general in their character, and directed solely to the purpose of procuring facts, without reference to preconceived opinions. It is believed to be the province of the statistician to ascertain, so far as possible, facts and conditions as they really exist, and to present them in such form as best to interpret their force and meaning. When so presented, they fail of their purpose if the lessons which they teach are not sufficiently conspicuous to the student of social science, the legislator, and the public.

Our aim here is to depict, in statistical form, the effect of the wage system in Illinois upon those who live by it, to the end that intelligent action may be taken when the occasion arises for the enactment or modification of laws affecting the wage classes.

We show primarily the general character and representative value of our data, with reference to the distribution, nationality and occupation of the families visited.

Next we take up the consideration of earnings and expenses, as affected by local and other conditions, showing in detail the experience of each family in regard to its domestic economy; what proportion of them thrive, and to what extent; how many fail of self-support, and how many barely subsist from year to year upon their earnings, without hope of ultimate provision for old age.

Subsequently it is made to appear in how many instances the head of the family is able to support his family by his individual earnings, and how many families are partially dependent on the labor of wives and children for the necessities of life. In this connection we show the number of wives at work, and their average earnings; and the number of children at work, their earnings at

different ages, and the relative earnings of the two sexes; also the number, age, and sex of those at home, at school, and at work.

This analysis of earnings is followed by a study of the items which enter into the expense account of the workingman's family, as influenced by his nationality, occupation, and place of abode. It is shown by averages and percentages what amounts are expended relatively for shelter, subsistence and clothing; what proportion of workingmen own the dwellings in which they live; how many provide against the future by life insurance; what amounts are required to defray the expenses incidental to sickness; and what proportion of the heads of families are identified with labor organizations, the cost of the same, and their influence upon average earnings.

All items, both of income and outlay, are thus analyzed, and the various conditions affecting both are considered; but recognizing the fact that the real measure of a man's earnings is their purchasing power, rather than their absolute amount, we have also prepared tables showing the prices of staple articles of food in different parts of this State, and in other States and countries; also what relative amounts of such articles one dollar will buy in Illinois and elsewhere.

The progressive tabular elucidation of these general topics is supplemented by such comments as are necessary to bring out the salient features of the presentation, and the whole constitutes a statement of the general condition of workingmen in the State, full of interest and instruction.

PLACES.

To illustrate the extent of the investigation as regards the number of places and of families visited, the following table has been prepared, showing the names of places, their population as given by the census of 1880, the number of families whose experience was obtained in each place, the whole number of persons in those families, and the average number of persons in each family for each town, and for all of them.

TABLE 1.—*Giving Names and Population of Places visited, and showing the number of Families whose condition was investigated, the number of persons in them, and the average of persons to each.*

| Places Visited. | Population 1890. (U. S. Cen- sus.) | Number of families visited. | Number of persons in families. | Average of persons in each family |
|----------------------|---|--------------------------------------|---|--|
| Alma | 165 | 5 | 22 | 4.4 |
| Alton | 8,978 | 48 | 260 | 5.41 |
| Aurora | 11,875 | 93 | 367 | 3.83 |
| Bartonville | 450 | 13 | 84 | 6.46 |
| Belleville | 10,682 | 63 | 304 | 4.82 |
| Bloomington | 17,184 | 72 | 294 | 4.09 |
| Carlinville | 3,118 | 15 | 81 | 5.4 |
| Caseyville | 900 | 4 | 30 | 7.5 |
| Centralia | 3,623 | 49 | 191 | 3.86 |
| Champaign | 5,106 | 98 | 425 | 4.33 |
| Chicago | 503,305 | 354 | 1,734 | 4.89 |
| Coal City | 568 | 15 | 78 | 5.2 |
| Collinsville | 2,839 | 29 | 137 | 4.72 |
| Danville | 7,735 | 131 | 597 | 4.55 |
| DuQuoin | 2,808 | 17 | 69 | 4.05 |
| East St. Louis | 10,000 | 93 | 403 | 4.33 |
| Elgin | 8,789 | 16 | 62 | 3.25 |
| Elmwood | 1,180 | 1 | 3 | 3. |
| Equality | 500 | 32 | 141 | 4.4 |
| Freeport | 8,516 | 19 | 94 | 4.95 |
| Fulton | 1,733 | 12 | 53 | 4.41 |
| Galena | 6,454 | 50 | 254 | 5.08 |
| Galesburg | 11,446 | 56 | 231 | 4.12 |
| Gardner | 786 | 27 | 137 | 4.7 |
| Gartside | 103 | 5 | 21 | 4.2 |
| Hanna City | 87 | 3 | 17 | 5.66 |
| Hollis | 125 | 5 | 27 | 5.4 |
| Jacksonville | 10,927 | 61 | 226 | 3.7 |
| Joliet | 11,659 | 49 | 271 | 5.53 |
| Kickapoo | 279 | 2 | 10 | 5. |
| Limestone | 50 | 1 | 3 | 3. |
| Lincoln | 5,639 | 4 | 18 | 4.50 |
| Mapleton | 110 | 5 | 25 | 5. |
| Mattoon | 5,742 | 36 | 160 | 4.44 |
| Moline | 7,805 | 138 | 581 | 4.21 |
| Mt. Pulaski | 1,127 | 2 | 12 | 6. |
| Pekin | 5,998 | 29 | 117 | 4.03 |
| Peoria | 29,319 | 164 | 740 | 4.51 |
| Pontiac | 2,243 | 38 | 172 | 4.52 |
| Princeville | 1,050 | 3 | 14 | 4.66 |
| Quincy | 27,275 | 14 | 60 | 4.28 |
| Rentchler | 148 | 2 | 7 | 3.5 |
| Rock Falls | 894 | 4 | 23 | 5.75 |
| Rock Island | 11,661 | 98 | 467 | 4.76 |
| Springfield | 19,746 | 33 | 170 | 5.14 |
| Sterling | 5,089 | 51 | 267 | 5.23 |
| Streator | 5,158 | 50 | 266 | 5.32 |
| Summerfield | 751 | 1 | 9 | 9. |
| Urbana | 2,943 | 17 | 89 | 5.23 |
| Washington | 1,800 | 1 | 4 | 4. |
| Wesley City | 130 | 1 | 10 | 10. |
| 51 Places | 786,598 | 2,129 | 9,834 | 4.62 |

It will be observed that the number of families visited corresponds in general with the size of the place, though the proportion is not exact. Chicago and the larger cities, Aurora, Belleville, Bloomington, East St. Louis, Galesburg, Jacksonville, Joliet, Moline, Peoria and Rock Island, are represented by the largest number of returns, but some of the smaller places, especially those where coal mining operations are conducted, also contribute considerable numbers to

the general result. A great diversity in the average size of families is found, but that average does not appear to be perceptibly influenced by the size of the town. The final average for the whole 2,129 families is 4.62 persons to each; the extremes are 3. and 10., but they are in both cases single families and not averages. The places in which the largest averages are obtained are almost uniformly small places, but they are also usually coal mining towns, and the returns those of miners' families. A subsequent analysis will indicate that the size of the family is more dependent upon nationality and occupation than upon locality. That the influence of the latter is obscure at least, so far as these returns are concerned, is shown by the fact that the average size for 180 families in 19 of the smaller places is 5.10; that the average for 670 families in 12 towns, with from 5,000 to 10,000 inhabitants, is 4.63, while that of 354 families in Chicago is 4.89. It may be mentioned that the average found for 397 families of working people in Massachusetts was 5.14. This, however, would hardly justify the conclusion that families are really larger in that State. Very much depends, in such an analysis as this, upon the relative number of families which consist of two members only, or the average age of parents. Our own tables embrace 304 families of two each, and 380 families of only three each.

The average size, and the relative size of families, will constitute an important consideration in subsequent chapters treating of the family earnings and expenses.

A special grouping of the places visited, according to the amount of their population, is next shown, in order to indicate readily the relative number and size of the towns, and for convenience in future tabulations. These groups are five in number, Chicago being considered separately. Those having a population less than 1,000, are more in number than any other one class, and are almost without exception communities of coal miners. The population accepted here is that reported by the census of 1880, and is doubtless smaller in some instances than the real population at present.

TABLE II.—*Grouping of Places Visited, according to Population.*

| Population less than 1,000 | Population from 1,000 to 5,000 | Population from 5,000 to 10,000. | Population from 10,000 to 20,000. | Population over 20,000. | Population 500,000. |
|-------------------------------|--------------------------------------|--|---|----------------------------|------------------------|
| Alma..... | Carlinsville..... | Alton..... | Aurora..... | Peoria..... | Chicago..... |
| Bartonville..... | Centralia..... | Champaign..... | Belleville..... | Quincy..... | |
| Caserville..... | Collinsville..... | Danville..... | Bloomington..... | Springfield..... | |
| Coal City..... | DuQuoin..... | Elgin..... | East St. Louis..... | | |
| Emwood..... | Fulton..... | Freeport..... | Galesburg..... | | |
| Equality..... | Mt. Pulaski..... | Galena..... | Jacksonville..... | | |
| Gardner..... | Pontiac..... | Lincoln..... | Joliet..... | | |
| Gartsdale..... | Urbana..... | Mattoon..... | Rock Island..... | | |
| Hanna City..... | | Moline..... | | | |
| Hollis..... | | Pekin..... | | | |
| Kickapoo..... | | Sterling..... | | | |
| Limestone..... | | Streator..... | | | |
| Mapleton..... | | | | | |
| Princeville..... | | | | | |
| Rentchler..... | | | | | |
| Summerfield..... | | | | | |
| Rock Falls..... | | | | | |
| Wesley City..... | | | | | |
| Washington..... | | | | | |
| 19 | 8 | 12 | 8 | 3 | 1 |

A condensed analysis of the relation of the size of families to the size of towns is shown in the following table. Here the places are grouped as before, and the number of families and average size of the same for each group is given. The largest average is still shown in the smaller towns, while the smallest is in towns of the larger class. Towns having from 5,000 to 10,000 inhabitants furnish an average almost identical with that of the general average for the whole.

TABLE III.—*Average Size of Families, based upon the grouping of places according to population.*

| Grades of Population. | Number of families. | Number in families | Persons to each family. |
|----------------------------|---------------------------|--------------------------|-------------------------------|
| Under 1,000..... | 130 | 663 | 5.11 |
| From 1,000 to 5,000..... | 179 | 804 | 4.5 |
| From 5,000 to 10,000..... | 670 | 3,101 | 4.63 |
| From 10,000 to 20,000..... | 585 | 2,562 | 4.37 |
| Over 20,000..... | 211 | 970 | 4.6 |
| Chicago..... | 354 | 1,734 | 4.89 |
| | 2,129 | 9,831 | 4.62 |

OCCUPATIONS.

We now present a descriptive list of the various persons whose experience will constitute the basis for all subsequent tables and deductions. This list refers in all cases to the heads of families and shows the number visited in each of the several cities and towns, and the occupations in which they are respectively engaged. For the larger places the list of occupations will be found comprehensive and in a measure representative, while for the smaller ones those occupations are given which indicate the prevailing industries.

TABLE IV.—*Showing Places Visited and the Number in each Employment in each Place.*

| Places and Occupations. | No. of families visited. | Places and Occupations. | No. of families visited. |
|-------------------------|--------------------------|---------------------------|--------------------------|
| ALMA— | | AURORA—Continued — | |
| Coal miners..... | 5 | Brakeman | 1 |
| ALTON — | | Bricklayers | 7 |
| Blacksmiths | 2 | Burnisher | 1 |
| Bricklayer | 1 | Capinetmakers..... | 3 |
| Brickmaker | 1 | Caller (R. R.)..... | 1 |
| Carpenters | 5 | Car builders | 2 |
| Car repairers..... | 2 | Carpenters | 9 |
| Carriage trimmer | 1 | Car repairers | 2 |
| Cigar maker | 1 | Clerk | 1 |
| Coal miners | 3 | Cooper | 1 |
| Coopers | 3 | Engineers (Loc.) | 4 |
| Engineers (Sta.) | 2 | Engineers (Sta.) | 3 |
| Fireman (Sta.) | 1 | Firemen (Loc.) | 4 |
| Fireman (Loc.) | 1 | Flagmen | 3 |
| Harnessmakers | 2 | Harnessmakers | 2 |
| Iron worker | 1 | Helpers | 2 |
| Laborers | 8 | Laborers | 15 |
| Moulders | 1 | Machinist | 1 |
| Moulder | 2 | Moulder | 1 |
| Painters | 1 | Painters | 5 |
| Pit topman | 1 | Pattern makers | 2 |
| Pit sinker | 1 | Plasterers | 2 |
| Plasterer | 1 | Section man | 1 |
| Potter | 1 | Shoemaker | 1 |
| Quarryman | 1 | Streetcar driver | 1 |
| Section man | 1 | Teamsters | 6 |
| Stone cutters | 2 | Tinner | 1 |
| Spinner | 1 | Upholsterer | 1 |
| Stone mason | 1 | Wiper (R. R.) | 1 |
| Teamster | 1 | Wood machinists | 3 |
| AURORA— | | BARTONVILLE— | |
| Blacksmiths | 2 | Coal miners..... | 13 |
| Boiler makers | 2 | | |

Table IV.—Continued.

| Places and Occupations. | No. of families visited..... | Places and Occupations. | No. of families visited..... |
|--------------------------|------------------------------|-------------------------|------------------------------|
| BELLEVILLE— | | CHAMPAIGN— | |
| Blacksmiths..... | 2 | Baggagemaster..... | 1 |
| Brewers..... | 3 | Barber..... | 1 |
| Bricklayer..... | 1 | Blacksmiths..... | 4 |
| Carpenter..... | 1 | Boilermaker..... | 1 |
| Cigarmakers..... | 3 | Bookbinder..... | 1 |
| Clerk..... | 1 | Bricklayers..... | 3 |
| Coal miners..... | 12 | Cabinetmaker..... | 1 |
| Coopers..... | 3 | Carpenters..... | 12 |
| Engineers (Sta.)..... | 2 | Car repairer..... | 1 |
| Fireman (Sta.)..... | 1 | Carriage makers..... | 2 |
| Glass blowers..... | 2 | Cigarmakers..... | 2 |
| Laborers..... | 4 | Clerks..... | 3 |
| Machinists..... | 5 | Coopers..... | 2 |
| Marble workers..... | 3 | Ditcher..... | 1 |
| Millers..... | 2 | Draughtsman..... | 1 |
| Moulders..... | 3 | Engineer (Loc.)..... | 1 |
| Nailers..... | 5 | Engineers (Sta.)..... | 3 |
| Packer (flour)..... | 1 | Express driver..... | 1 |
| Painters..... | 2 | Fireman (Loc.)..... | 1 |
| Pattern maker..... | 1 | Fireman (Sta.)..... | 1 |
| Boiler (nail mill)..... | 1 | Foreman..... | 1 |
| Station agent..... | 1 | Harnessmaker..... | 1 |
| Supt. (flour mills)..... | 1 | Laborers..... | 17 |
| Supt. (glass works)..... | 1 | Lather..... | 1 |
| Tinners..... | 2 | Laundryman..... | 1 |
| BLOOMINGTON— | | Lumber hundler..... | 1 |
| Blacksmiths..... | 6 | Machinists..... | 4 |
| Bricklayer..... | 1 | Marbleworkers..... | 2 |
| Carpenters..... | 2 | Millwright..... | 1 |
| Coal miners..... | 5 | Moulder..... | 1 |
| Fireman (Loc.)..... | 1 | Painters..... | 2 |
| Laborers..... | 42 | Paperhanger..... | 1 |
| Machinist..... | 1 | Patternmaker..... | 1 |
| Plasterer..... | 1 | Pressman..... | 1 |
| Shoemaker..... | 1 | Printers..... | 3 |
| Stonemason..... | 2 | Plumber..... | 1 |
| Teamsters..... | 10 | Shoemakers..... | 4 |
| CARLINVILLE— | | Soda water maker..... | 1 |
| Blacksmiths..... | 2 | Tailors..... | 2 |
| Butchers..... | 3 | Teamsters..... | 2 |
| Coal miners..... | 5 | Telegraphist..... | 1 |
| Saborers..... | 4 | Tinners..... | 3 |
| Teamster..... | 1 | Train dispatcher..... | 1 |
| CASEYVILLE— | | Upholsterer..... | 1 |
| Coal miners..... | 4 | Yardmaster..... | 1 |
| CENTRALIA— | | CHICAGO— | |
| Barbers..... | 2 | Bakers..... | 9 |
| Blacksmiths..... | 2 | Barbers..... | 2 |
| Butcher..... | 1 | Blacksmiths..... | 5 |
| Calciminer..... | 1 | Bookbinder..... | 1 |
| Cigarmakers..... | 2 | Brass worker..... | 1 |
| Clerks..... | 5 | Bricklayers..... | 13 |
| Coal miners..... | 2 | Brickmaker..... | 1 |
| Express driver..... | 1 | Butchers..... | 9 |
| Harnessmakers..... | 4 | Cabinetmakers..... | 3 |
| Iron worker..... | 1 | Car builders..... | 3 |
| Laborers..... | 14 | Carpenters..... | 11 |
| Machinist..... | 1 | Carriage maker..... | 1 |
| Moulder..... | 1 | Cigarmakers..... | 38 |
| Nailers..... | 2 | Cigarpackers..... | 2 |
| Nailplate shearer..... | 1 | Clerks..... | 6 |
| Paperhanger..... | 1 | Coopers..... | 9 |
| Plasterers..... | 3 | Curriers..... | 6 |
| Printers..... | 2 | Draughtsmen..... | 2 |
| Puddler..... | 1 | Electrician..... | 1 |
| Puddler helper..... | 1 | Express drivers..... | 2 |
| Shoemaker..... | 1 | Foreman..... | 2 |
| | | Hardwood workers..... | 8 |
| | | Harnessmakers..... | 8 |
| | | Hod carriers..... | 2 |

Table IV.—Continued.

| Places and Occupations. | No. of Families Visited | Places and Occupations. | No. of Families Visited |
|---------------------------|-------------------------|----------------------------|-------------------------|
| CHICAGO—Continued. | | DANVILLE— | |
| Horseshoe maker..... | 1 | Bakers..... | 1 |
| Horseshoer..... | 1 | Barber..... | 1 |
| Hostlers..... | 3 | Blacksmiths..... | 1 |
| Ironworkers..... | 2 | Boilermaker..... | 1 |
| Janitor..... | 1 | Bookkeeper..... | 1 |
| Laborers..... | 48 | Brass worker..... | 1 |
| Lumber handlers..... | 4 | Bricklayers..... | 5 |
| Machinists..... | 2 | Broom maker..... | 1 |
| Malster..... | 1 | Brewers..... | 2 |
| Marble worker..... | 4 | Carpenters..... | 6 |
| Mattressmaker..... | 1 | Cigarmakers..... | 2 |
| Moulders..... | 9 | Coal miners..... | 37 |
| Organ builders..... | 2 | Copyist..... | 1 |
| Painters..... | 11 | Engineer (Sta.)..... | 3 |
| Painters (carriage)..... | 3 | Harnessmaker..... | 1 |
| Painter (car)..... | 1 | Helper (boiler shop)..... | 1 |
| Paper carriers..... | 2 | Laborers..... | 38 |
| Pianomakers..... | 2 | Laundryman..... | 1 |
| Pictureframe maker..... | 1 | Machinist..... | 1 |
| Plasterers..... | 7 | Millers..... | 1 |
| Plumbers..... | 2 | Overseers..... | 2 |
| Pressman..... | 1 | Painters..... | 5 |
| Printers..... | 11 | Plasterers..... | 3 |
| Puddler..... | 1 | Printers..... | 2 |
| Rollingmill hand..... | 3 | Streetcar drivers..... | 2 |
| Sawyers..... | 1 | Sawyer..... | 1 |
| Sailors..... | 2 | Switchman..... | 1 |
| Shoemakers..... | 3 | Taller..... | 1 |
| Silverplater..... | 1 | Tinner..... | 1 |
| Steelworker..... | 1 | Wagonmaker..... | 1 |
| Stonecutters..... | 4 | Watchmakers..... | 2 |
| Stoneplaner..... | 1 | Wiper (Loc.)..... | 1 |
| Stonemason..... | 1 | | |
| Streetcar conductors..... | 10 | DuQUOIN— | |
| Streetcar drivers..... | 8 | Bricklayer..... | 1 |
| Tailors..... | 3 | Carpenter..... | 1 |
| Teamsters..... | 13 | Coal miners..... | 7 |
| Telegraphist..... | 1 | Engineer (Sta.)..... | 1 |
| Tinners..... | 2 | Fireman (Sta.)..... | 1 |
| Toymaker..... | 1 | Laborers..... | 4 |
| Trunkmakers..... | 5 | Saltmaker..... | 1 |
| Upholsterers..... | 7 | Teamster..... | 1 |
| Walter..... | 1 | | |
| Watchman..... | 1 | EAST ST. LOUIS— | |
| Woodmachinists..... | 16 | Baggagemasters..... | 2 |
| Yardmen (R. R.)..... | 2 | Barber..... | 1 |
| | | Blacksmiths..... | 3 |
| COAL CITY— | | Boilermaker..... | 1 |
| Coal miners..... | 10 | Bridge builder..... | 1 |
| Engineer (Sta.)..... | 1 | Butchers..... | 3 |
| Laborer..... | 1 | Carpenters..... | 2 |
| Pusher..... | 1 | Car inspectors..... | 4 |
| Trackman..... | 1 | Car repairer..... | 1 |
| Weighter..... | 1 | Catcher (foundry)..... | 1 |
| | | Cigarmaker..... | 1 |
| COLLINSVILLE— | | Clerks..... | 3 |
| Coal miners..... | 13 | Engineers (Loc.)..... | 3 |
| Dumper..... | 1 | Engineers (Sta.)..... | 4 |
| Engineer (Sta.)..... | 1 | Express agent..... | 1 |
| Laborer..... | 1 | Fireman (Loc.)..... | 1 |
| Loaders..... | 2 | Fireman (Sta.)..... | 1 |
| Machine miners..... | 3 | Foreman..... | 1 |
| Pit boss..... | 1 | Harnessmaker..... | 1 |
| Section boss..... | 1 | Heaters (bar mill)..... | 4 |
| Section men..... | 3 | Inspector (gas works)..... | 1 |
| Shipping clerk..... | 1 | Laborers..... | 5 |
| Shooter (coal)..... | 1 | Lard renderer..... | 1 |
| Shoveler..... | 1 | Machinists..... | 7 |

Table IV.—Continued.

| Places and Occupations. | No. of families visited. | Places and Occupations. | No. of families visited. |
|----------------------------------|-----------------------------|--------------------------|-----------------------------|
| EAST ST. LOUIS—Continued. | | GALENA— | |
| Master mechanic..... | 1 | Blacksmiths..... | 4 |
| Millers..... | 3 | Butchers..... | 1 |
| Packers (flour)..... | 3 | Cabinetmakers..... | 1 |
| Painter (carriage)..... | 1 | Carpenters..... | 1 |
| Patternmaker..... | 1 | Cigarmakers..... | 1 |
| Puddlers..... | 1 | Harnessmaker..... | 1 |
| Refiner (gas works)..... | 2 | Laborers..... | 1 |
| Rollers (iron mills)..... | 4 | Machinist..... | 1 |
| Rollers (iron mills)..... | 2 | Painters..... | 1 |
| Station agent..... | 1 | Painter (carriage)..... | 1 |
| Stonemasons..... | 2 | Plowmaker..... | 1 |
| Switchman..... | 1 | Potters..... | 1 |
| Superintendent..... | 1 | Shoemakers..... | 4 |
| Teamsters..... | 3 | Stonemasons..... | 1 |
| Watchmen..... | 2 | Teamsters..... | 1 |
| Wipers (Loc.)..... | 2 | Tinners..... | 1 |
| Yardmaster..... | 1 | Wagonmakers..... | 1 |
| ELGIN— | | SAWYER— | |
| Blacksmiths..... | 2 | | |
| Bookkeeper..... | 1 | | |
| Bridge builder..... | 1 | | |
| Carpenters..... | 5 | | |
| Clerk..... | 1 | | |
| Laborer..... | 1 | | |
| Machinist..... | 1 | | |
| Plasterer..... | 1 | | |
| Section boss..... | 1 | | |
| Section man..... | 1 | | |
| Watchman..... | 1 | | |
| ELWOOD— | | GALESBURG— | |
| Painter..... | 1 | Baker..... | 1 |
| EQUALITY— | | Barber..... | 1 |
| Blacksmiths..... | 2 | Blacksmith..... | 1 |
| Coal miners..... | 16 | Bollermaker..... | 1 |
| Engineer (Sta.)..... | 1 | Brakeman..... | 1 |
| Laborers..... | 5 | Bricklayer..... | 1 |
| Pit boss..... | 1 | Brickmaker..... | 1 |
| Section men..... | 3 | Broommaker..... | 1 |
| Shoemakers..... | 2 | Butcher..... | 1 |
| Wagonmaker..... | 1 | Carpenters..... | 4 |
| Weigher..... | 1 | Cigarmaker..... | 1 |
| FREEPORT— | | Clerks..... | 3 |
| Bookkeeper..... | 1 | Conductor (freight)..... | 1 |
| Bricklayer..... | 1 | Engineer (Loc.)..... | 1 |
| Brickmaker..... | 1 | Engineer (Sta.)..... | 1 |
| Carpenters..... | 2 | Express driver..... | 1 |
| Clerks..... | 2 | Harnessmaker..... | 1 |
| Fireman (Loc.)..... | 1 | Helper (mach. shop)..... | 1 |
| Laborers..... | 5 | Laborers..... | 10 |
| Lumber handler..... | 1 | Lumber handler..... | 1 |
| Superintendent..... | 1 | Machinists..... | 4 |
| Moulder..... | 1 | Moulders..... | 3 |
| Shoemaker..... | 1 | Painters..... | 3 |
| Teamster..... | 1 | Patternmaker..... | 1 |
| Watchmaker..... | 1 | Paperhanger..... | 1 |
| FULTON— | | Sectionman..... | 1 |
| Blacksmith..... | 1 | Shoemakers..... | 2 |
| Carpenter..... | 1 | Stonecutters..... | 1 |
| Carriage trimmer..... | 1 | Tailor..... | 2 |
| Laborers..... | 3 | Teamsters..... | 1 |
| Painter..... | 1 | Tinner..... | 1 |
| Pipemaker..... | 1 | Wagonmaker..... | 1 |
| Section man..... | 1 | | |
| Stonemason..... | 1 | GARDNER— | |
| Teamster..... | 1 | Baggagemaster..... | 1 |
| Wiper (Loc.)..... | 1 | Carpenter..... | 1 |
| | | Coal miners..... | 13 |
| | | Ditchers..... | 2 |
| | | Laborers..... | 2 |
| | | Mule driver..... | 1 |
| | | Pit sinker..... | 1 |
| | | Station agent..... | 1 |
| | | Section boss..... | 1 |
| | | Sectionman..... | 1 |
| | | Trackmen (mine)..... | 2 |
| | | GARTSIDE— | |
| | | Coal miner..... | 1 |
| | | Loaders..... | 2 |
| | | Shovelers..... | 2 |

Table IV—Continued.

| Places and Occupations. | No. of families visited. | Places and Occupations. | No. of families visited. |
|-----------------------------|--------------------------|-------------------------|--------------------------|
| HANNA CITY— | | MATTOON— | |
| Coal miners..... | 3 | Barber..... | |
| HOLLIS— | | Bricklayer..... | |
| Coal miners..... | 5 | Broommaker..... | |
| JACKSONVILLE— | | Carpenters..... | |
| Barbers..... | 3 | Coal miners..... | |
| Blacksmiths..... | 3 | Conductor (Frt.)..... | |
| Bricklayers..... | 3 | Engineers (Sta.)..... | |
| Butcher..... | 1 | Farm hands..... | |
| Carpenters..... | 3 | Fireman (Loc.)..... | |
| Carriage makers..... | 4 | Gate tender..... | |
| Cigarmakers..... | 17 | Laborers..... | |
| Engineer (Sta.)..... | 1 | Machinist..... | |
| Foreman..... | 1 | Marble worker..... | |
| Harnessmakers..... | 5 | Miller..... | |
| Millers..... | 3 | Moulder..... | |
| Paluters..... | 3 | Pattern maker..... | |
| Painter (carriage)..... | 1 | Printer..... | |
| Printers..... | 1 | Section boss..... | |
| Shoemaker..... | 1 | Switchman..... | |
| Stal builder..... | 1 | Teamster..... | |
| Tailors..... | 3 | Tile maker..... | |
| Tinners..... | 3 | Tinners..... | |
| Wagonmaker..... | 1 | Wagonmaker..... | |
| JOLIET— | | MOLINE— | |
| Blacksmith..... | 1 | Barbers..... | 2 |
| Blastfurnaceman..... | 1 | Blacksmiths..... | 9 |
| Brakemen..... | 2 | Brassworker..... | 1 |
| Bricklayer..... | 1 | Bricklayers..... | 3 |
| Butcher..... | 1 | Butcher..... | 1 |
| Cabinetmakers..... | 3 | Carpenters..... | 8 |
| Carpenters..... | 3 | Clerks..... | 5 |
| Currier..... | 1 | Cooper..... | 1 |
| Fireman (Sta.)..... | 1 | Engineers (Sta.)..... | 2 |
| Foreman..... | 1 | Fisherman..... | 1 |
| Gardener..... | 1 | Flagman..... | 1 |
| Iron and steel workers..... | 3 | Grinders..... | 4 |
| Laborers..... | 14 | Helpers (in shops)..... | 2 |
| Marble worker..... | 1 | Janitor..... | 1 |
| Moulders..... | 2 | Laborers..... | 49 |
| Painter (carriage)..... | 1 | Machinists..... | 2 |
| Paperhanger..... | 1 | Moulders..... | 7 |
| Patternmaker..... | 1 | Painters..... | 8 |
| Plasterers..... | 1 | Plow beam bender..... | 1 |
| Printer..... | 1 | Plow fitters..... | 3 |
| Prison guard..... | 1 | Plow temperer..... | 1 |
| Shoemakers..... | 2 | Printer..... | 1 |
| Stone mason..... | 1 | Rag sorter..... | 1 |
| Teamster..... | 1 | Saw filer..... | 1 |
| Tinner..... | 1 | Sawyers..... | 2 |
| Wagonmaker..... | 1 | Sheet iron worker..... | 1 |
| Watchman..... | 1 | Stone cutters..... | 3 |
| Wire fence maker..... | 1 | Stone mason..... | 1 |
| KICKAPOO— | | Shoemakers..... | 2 |
| Coal miner..... | 1 | Tailors..... | 2 |
| Painter..... | 1 | Teamsters..... | 7 |
| LIMESTONE— | | Undertaker..... | 1 |
| Carpenter..... | 1 | Wagonmakers..... | 2 |
| LINCOLN— | | Wood workers..... | 2 |
| Coal miners..... | 4 | Mt. PULASKI— | |
| MAPLETON— | | Carpenter..... | 1 |
| Coal miners..... | 4 | Plt boss..... | 1 |
| Laborers..... | 1 | PEKIN— | |
| | | Blacksmiths..... | 2 |
| | | Brickmaker..... | 1 |
| | | Coal miners..... | 7 |
| | | Engineer (Sta.)..... | 1 |

Table IV—Continued.

| Places and Occupations. | No. of families visited..... | Places and Occupations. | No. of families visited..... |
|-------------------------|------------------------------|--------------------------|------------------------------|
| PEKIN—Continued. | | QUINCY— | |
| Fireman (Sta.)..... | 1 | Blacksmith..... | 1 |
| Laborers..... | 9 | Cigar makers..... | 3 |
| Machinists..... | 2 | Express driver..... | 1 |
| Painters..... | 2 | Laborers..... | 2 |
| Plasterers..... | 1 | Machinist..... | 1 |
| Printer..... | 1 | Moulders..... | 4 |
| Section boss..... | 1 | Plasterer..... | 1 |
| Teamster..... | 1 | Stone cutter..... | 1 |
| PEORIA— | | RENTCHLER— | |
| Blacksmiths..... | 4 | Coal miners..... | 2 |
| Boiler-maker..... | 1 | ROCK FALLS— | |
| Brass worker..... | 3 | Iron chipper..... | 1 |
| Brick layer..... | 1 | Millwright..... | 1 |
| Bridge tender..... | 1 | Sawyer..... | 1 |
| Butchers..... | 2 | Wood worker..... | 1 |
| Carpenters..... | 10 | ROCK ISLAND— | |
| Car repairer..... | 1 | Baker..... | 1 |
| Cigar makers..... | 4 | Blacksmiths..... | 3 |
| Clerks..... | 3 | Brakeman..... | 1 |
| Coal miners..... | 15 | Brick layers..... | 2 |
| Coopers..... | 2 | Bridge builder..... | 1 |
| Engineer (Sta.)..... | 1 | Carpenters..... | 3 |
| Fireman (Sta.)..... | 1 | Car repairer..... | 1 |
| Foreman..... | 1 | Carriage maker..... | 1 |
| Helper (in shops)..... | 1 | Cigar makers..... | 2 |
| Laborers..... | 64 | Clerk..... | 1 |
| Machinists..... | 2 | Corn planter fitter..... | 1 |
| Malsters..... | 4 | Engineer (Loc.)..... | 1 |
| Marble workers..... | 2 | Fireman (Loc.)..... | 1 |
| Millers..... | 5 | Glass blower..... | 1 |
| Moulders..... | 8 | Harness makers..... | 2 |
| Painters..... | 4 | Laborers..... | 28 |
| Plasterer..... | 1 | Machinist..... | 1 |
| Plumbers..... | 4 | Marble workers..... | 3 |
| Porter..... | 1 | Moulders..... | 3 |
| River pilot..... | 1 | Monument setter..... | 1 |
| Shoemakers..... | 3 | Omnibus driver..... | 1 |
| Stone cutters..... | 3 | Painters..... | 5 |
| Teamsters..... | 6 | Paper hanger..... | 1 |
| Sectionman..... | 1 | Plumbers..... | 2 |
| Well digger..... | 1 | Shoemaker..... | 1 |
| Watchmen..... | 2 | Stone cutters..... | 12 |
| Wood machinist..... | 1 | Stone masons..... | 6 |
| PONTIAC— | | Stove mounters..... | 2 |
| Barbers..... | 3 | Teamsters..... | 4 |
| Bookkeeper..... | 1 | Tinners..... | 2 |
| Butchers..... | 2 | Yardmaster..... | 1 |
| Carpenters..... | 3 | SPRINGFIELD— | |
| Clerks..... | 3 | Baggage-man..... | 1 |
| Coal miners..... | 2 | Blacksmith..... | 1 |
| Fireman (Sta.)..... | 1 | Bookkeeper..... | 1 |
| Harness makers..... | 2 | Carpenters..... | 2 |
| Janitor..... | 1 | Clerks..... | 4 |
| Laborers..... | 5 | Coal miners..... | 3 |
| Painters..... | 2 | Engineer (Sta.)..... | 1 |
| Pit boss..... | 1 | Fireman (Loc.)..... | 1 |
| Plasterer..... | 1 | Furnace tender..... | 1 |
| Station agent..... | 1 | Gilder..... | 1 |
| Shoemaker..... | 1 | Heater (foundry)..... | 1 |
| Tailors..... | 3 | Helper (furnace)..... | 1 |
| Teamster..... | 1 | Laborers..... | 3 |
| Telegraphist..... | 1 | Machinist..... | 1 |
| Tile maker..... | 1 | Moulders..... | 3 |
| Tinner..... | 1 | Painter..... | 1 |
| PRINCEVILLE— | | Pit boss..... | 1 |
| Carpenters..... | 2 | Printer..... | 1 |
| Coal miner..... | 1 | | |

Table IV—Continued.

| Places and Occupations. | No. of families visited..... | Places and Occupations. | No. of families visited..... |
|-------------------------------|---------------------------------|----------------------------|---------------------------------|
| SPRINGFIELD—Continued. | | STREATOR— | |
| Teamster..... | 1 | Blacksmith..... | 1 |
| Watchmaker..... | 1 | Cager (coal mine)..... | 1 |
| Watch factory operators..... | 3 | Carpenter (coal mine)..... | 1 |
| STERLING— | | Coal miners..... | 35 |
| Baker..... | 1 | Laborer (coal mine)..... | 1 |
| Barber..... | 1 | Loader (coal mine)..... | 1 |
| Blacksmith..... | 1 | Machine miner..... | 1 |
| Bricklayer..... | 1 | Fireman (coal mine)..... | 1 |
| Butcher..... | 1 | Mule drivers..... | 2 |
| Cabinetmaker..... | 1 | Pit boss..... | 1 |
| Carpenter..... | 1 | Pit-topman..... | 1 |
| Carpet weaver..... | 1 | Trackmen..... | 2 |
| Carriage trimmer..... | 1 | Shoveler..... | 1 |
| Cigar maker..... | 1 | | |
| Clerk..... | 1 | SUMMERFIELD— | |
| Coal heaver..... | 1 | Coal miner..... | 1 |
| Cooper..... | 1 | | |
| Engineer (Sta.)..... | 1 | URBANA— | |
| Harness maker..... | 1 | Blacksmiths..... | 7 |
| Iron workers..... | 4 | Blacksmith helper..... | 1 |
| Laborers..... | 7 | Boilermakers..... | 2 |
| Machinists..... | 2 | Bricklayer..... | 1 |
| Marble worker..... | 1 | Car inspectors..... | 2 |
| Millers..... | 2 | Engineer (Loc.)..... | 1 |
| Moulder..... | 1 | Master mechanic..... | 1 |
| Painters..... | 2 | Machinist..... | 1 |
| Paper maker..... | 1 | Tile maker..... | 1 |
| Pattern maker..... | 1 | | |
| Plasterer..... | 1 | WASHINGTON— | |
| Plumber..... | 1 | Carpenter..... | 1 |
| Printer..... | 1 | | |
| Stonemasons..... | 2 | WESLEY CITY— | |
| Shoemaker..... | 1 | Coal miner..... | 1 |
| Superintendent..... | 1 | | |
| Tailor..... | 1 | | |
| Tinner..... | 1 | | |
| Wagonmaker..... | 1 | | |
| Woodworkers..... | 6 | | |

CLASSIFICATION.

For purposes of convenience in deducing general results and final averages, we condense the foregoing list of occupations into characteristic groups, indicating the general nature of the employment, to correspond with the grouping made of places. There are in all 163 different occupations given, not counting separately a number which for our purposes may be classified with ordinary laborers. These are brought together in eight general divisions: Building Trades, Shop Trades, Metal Workers, Railroad Employés, Coal Mine Employés, Out-door Occupations, In-door Occupations, and Foremen, Overseers, etc. The following table indicates what occupations are placed under each of these general heads. The divisions are sufficiently distinctive, with perhaps the exception of the Out-door and in-door classes. An arbitrary distribution is made here of a large miscellaneous class which could hardly be placed with propriety in either of the other classes. It will be observed that the Out-door class is almost wholly made up of unskilled workers, such as day laborers, teamsters and street-car men. Those placed in In-door Occupations are largely clerks, printers, millers, stationery engineers and others engaged in sundry employments, not clearly belonging to the other general divisions. Under the head of Foremen, etc., are embraced superintendents, overseers, managers and such persons as are placed in advanced positions over others; and they are separated in this way, in order that their earnings, which are usually in excess of those of others, may not impair the averages for ordinary workmen. With this classification is also extended the average size of families in each general class.

TABLE V.—*Classification of Occupations into eight general groups, with a further presentation of the average family size in each.*

BUILDING TRADES.

| Classification of Occupations. | Number of families. | Number in families. | Av. No. in each family. |
|--------------------------------|---------------------|---------------------|-------------------------|
| Bricklayers..... | 46 | 216 | 4.69 |
| Brickmakers..... | 5 | 21 | 4.2 |
| Bridge-builders..... | 5 | 19 | 3.8 |
| Carpenters..... | 106 | 471 | 4.44 |
| Calciminers..... | 1 | 2 | 2. |
| Hod carriers..... | 3 | 10 | 3.33 |
| Lather..... | 1 | 3 | 3. |
| Painters..... | 62 | 260 | 4.19 |
| Paperhangers..... | 6 | 34 | 5.66 |
| Plasterers..... | 23 | 118 | 5.13 |
| Stairbuilder..... | 1 | 2 | 2. |
| Stonemasons..... | 19 | 85 | 4.47 |
| | 278 | 1,241 | 4.46 |

SHOP TRADES.

| | | | |
|-------------------------|-----|-------|------|
| Bakers..... | 14 | 67 | 4.79 |
| Barbers..... | 18 | 65 | 3.61 |
| Bookbinders..... | 2 | 10 | 5. |
| Broommakers..... | 3 | 7 | 2.33 |
| Burnisher..... | 1 | 5 | 5. |
| Butchers..... | 27 | 137 | 5.06 |
| Cabinetmakers..... | 15 | 58 | 3.87 |
| Carriage ironers..... | 2 | 7 | 3.5 |
| Carriage makers..... | 5 | 25 | 5. |
| Carriage painters..... | 7 | 21 | 3. |
| Carriage trimmers..... | 4 | 14 | 3.5 |
| Cigarmakers..... | 79 | 307 | 3.89 |
| Cigarpackers..... | 2 | 12 | 6. |
| Coopers..... | 23 | 115 | 5.23 |
| Curriers..... | 7 | 33 | 4.71 |
| Glassblowers..... | 3 | 11 | 3.66 |
| Gilder..... | 1 | 12 | 12. |
| Grinders..... | 4 | 15 | 3.75 |
| Harnessmakers..... | 31 | 120 | 3.87 |
| Marbleworkers..... | 17 | 77 | 4.53 |
| Mattressmaker..... | 1 | 5 | 5. |
| Organ builders..... | 2 | 13 | 6.5 |
| Piano makers..... | 2 | 13 | 6.5 |
| Patternmakers..... | 8 | 35 | 4.37 |
| Pictureframe maker..... | 2 | 9 | 4.5 |
| Plowmakers..... | 7 | 40 | 5.71 |
| Refiner (gas)..... | 1 | 2 | 2. |
| Sawyers..... | 8 | 42 | 5.25 |
| Shoemakers..... | 32 | 173 | 5.41 |
| Silver plater..... | 1 | 5 | 5. |
| Stonecutter..... | 28 | 131 | 4.7 |
| Tailors..... | 16 | 89 | 5.56 |
| Tinners..... | 21 | 100 | 4.76 |
| Toymaker..... | 1 | 8 | 8. |
| Trunkmakers..... | 5 | 23 | 4.6 |
| Upholsterers..... | 9 | 41 | 4.55 |
| Wagonmakers..... | 12 | 55 | 4.58 |
| Wood machinists..... | 20 | 77 | 3.85 |
| Woodworkers (hand)..... | 17 | 89 | 5.23 |
| | 457 | 2,068 | 4.53 |

METAL WORKERS.

| Classification of Occupations. | Number of families. | Number in families. | Av. No. in each family. |
|--------------------------------|---------------------|---------------------|-------------------------|
| Blacksmiths..... | 71 | 332 | 4.67 |
| Blacksmiths' helper..... | 5 | 21 | 4.2 |
| Boilermakers..... | 9 | 52 | 5.8 |
| Boilermakers' helpers..... | 1 | 2 | 2. |
| Brass workers..... | 2 | 7 | 3.5 |
| Brass moulders..... | 3 | 14 | 4.66 |
| Brass finishers..... | 1 | 4 | 4. |
| Catcher (foundry)..... | 1 | 4 | 4. |
| Furnace men..... | 4 | 19 | 4.75 |
| Horseshoe maker..... | 2 | 8 | 4. |
| Heaters (bar mill)..... | 4 | 15 | 3.75 |
| Heaters (foundry)..... | 1 | 9 | 9. |
| Iron and steel workers..... | 13 | 72 | 5.53 |
| Machinists..... | 34 | 146 | 4.29 |
| Moulders..... | 49 | 200 | 4.08 |
| Nailers..... | 7 | 36 | 5.14 |
| Nail plate shearer..... | 1 | 5 | 5. |
| Plumbers..... | 9 | 43 | 4.77 |
| Puddlers..... | 4 | 18 | 4.5 |
| Puddlers' helper..... | 1 | 4 | 4. |
| Rollers (nail mill)..... | 1 | 5 | 5. |
| Rollers (foundry)..... | 3 | 19 | 6.33 |
| Rollers (guide mill)..... | 1 | 5 | 5. |
| Rolling mill hands..... | 5 | 27 | 5.4 |
| Rougher (foundry)..... | 1 | 2 | 2. |
| Saw-filer..... | 1 | 5 | 5. |
| Sheet-iron worker..... | 1 | 4 | 4. |
| Stove-mounters..... | 2 | 5 | 2.5 |
| Watchmakers..... | 4 | 12 | 3. |
| Watch factory operatives..... | 3 | 16 | 5.33 |
| | 244 | 1,110 | 4.55 |

RAILROAD EMPLOYEES.

| | | | |
|---------------------------|-----|-----|------|
| Baggagemen..... | 5 | 21 | 4.2 |
| Blacksmiths..... | 3 | 10 | 3.33 |
| Blacksmiths' helpers..... | 2 | 10 | 5. |
| Brakemen..... | 5 | 22 | 4.4 |
| Car builders..... | 5 | 28 | 5.6 |
| Car repairers..... | 8 | 37 | 4.62 |
| Car painters..... | 2 | 9 | 4.5 |
| Car inspectors..... | 6 | 25 | 4.16 |
| Carpenters..... | 3 | 13 | 4.33 |
| Caller..... | 1 | 2 | 2. |
| Check clerks..... | 4 | 15 | 3.75 |
| Conductors (Fr't)..... | 1 | 11 | 5.5 |
| Engineers (Loc.)..... | 12 | 53 | 4.42 |
| Firemen (Loc.)..... | 16 | 65 | 4.06 |
| Flagmen..... | 4 | 11 | 2.75 |
| Helpers (in shops)..... | 3 | 9 | 3. |
| Laborers (in-door)..... | 3 | 19 | 6.33 |
| Laborers (out-door)..... | 13 | 66 | 5.07 |
| Machinists..... | 7 | 37 | 5.29 |
| Master mechanics..... | 2 | 14 | 7. |
| Patternmaker..... | 1 | 2 | 2. |
| Rougher..... | 1 | 4 | 4. |
| Section bosses..... | 5 | 31 | 6.2 |
| Section men..... | 13 | 61 | 4.69 |
| Station agents..... | 4 | 12 | 3. |
| Switchmen..... | 3 | 13 | 4.33 |
| Teamster..... | 1 | 2 | 2. |
| Train dispatcher..... | 1 | 4 | 4. |
| Watchmen..... | 4 | 18 | 4.5 |
| Wipers..... | 5 | 24 | 4.8 |
| Yardmasters..... | 3 | 9 | 3. |
| Yardmen..... | 2 | 17 | 8.5 |
| | 149 | 674 | 4.52 |

COAL MINE EMPLOYES.

| Classification of Occupations. | Number of families. | Number in families. | Av. No. in each family. |
|--------------------------------|---------------------|---------------------|-------------------------|
| Blacksmith | 1 | 7 | 7. |
| Cager | 1 | 6 | 6. |
| Carpenters | 2 | 8 | 4. |
| Coal miners | 232 | 1,208 | 5.2 |
| Ditchers | 2 | 6 | 3. |
| Drivers (mule) | 3 | 11 | 3.66 |
| Dumper | 1 | 3 | 3. |
| Engineers | 3 | 9 | 3. |
| Firemen | 2 | 5 | 2.5 |
| Laborers | 8 | 40 | 5. |
| Loaders | 5 | 18 | 3.6 |
| Machine miners | 4 | 20 | 5. |
| Machinist | 1 | 5 | 5. |
| Pit bosses | 6 | 30 | 5. |
| Pit sinkers | 2 | 7 | 3.5 |
| Pit topmen | 2 | 7 | 3.5 |
| Pusher | 1 | 9 | 9. |
| Shipping clerk | 1 | 4 | 4. |
| Shooter | 1 | 5 | 5. |
| Shovelers | 4 | 15 | 3.75 |
| Trackmen | 6 | 30 | 5. |
| Weighters | 2 | 8 | 4. |
| | 290 | 1,461 | 5.04 |

OUT-DOOR OCCUPATIONS.

| | | | |
|-----------------------------|-----|-------|------|
| Bridge tenders | 2 | 11 | 5.2 |
| Coal heaver | 1 | 8 | 8. |
| Ditcher | 1 | 3 | 3. |
| Express drivers | 7 | 38 | 5.43 |
| Farm hands | 2 | 12 | 9. |
| Fisherman | 1 | 8 | 8. |
| Gardener | 1 | 11 | 11. |
| Laborers | 374 | 1,741 | 4.65 |
| Lead miners | 2 | 10 | 5. |
| Lumber handlers | 8 | 39 | 4.87 |
| Monument setter | 1 | 3 | 3. |
| Omnibus driver | 1 | 5 | 5. |
| Paper carriers | 2 | 4 | 2. |
| Quarrymen | 5 | 30 | 6. |
| River pilot | 1 | 3 | 3. |
| Sailors | 2 | 4 | 2. |
| Street car conductors | 10 | 67 | 6.7 |
| Street car drivers | 11 | 55 | 5. |
| Teamsters | 65 | 302 | 4.7 |
| Well digger | 1 | 5 | 5. |
| Wood sawyer | 1 | 6 | 6. |
| Wood chopper | 1 | 5 | 5. |
| | 500 | 2,366 | 4.73 |

IN-DOOR OCCUPATIONS.

| | | | |
|------------------------|----|-----|------|
| Book-keepers | 5 | 16 | 3.2 |
| Brewers | 5 | 30 | 6. |
| Clerks | 41 | 159 | 3.88 |
| Copyist | 1 | 5 | 5. |
| Draughtsmen | 3 | 8 | 2.66 |
| Electrician | 1 | 5 | 5. |
| Engineers (Sta.) | 27 | 130 | 4.81 |
| Express agent | 1 | 6 | 6. |
| Firemen (Sta.) | 7 | 46 | 6.57 |
| Flour packers | 3 | 8 | 2.66 |
| Hostlers | 3 | 13 | 4.33 |
| Janitors | 4 | 19 | 4.75 |

In-door Occupations—Continued.

| Classification of Occupations. | Number of families. | Number in families. | Av. No. in each family. |
|--------------------------------|---------------------|---------------------|-------------------------|
| Laborers | 19 | 82 | 4.31 |
| Laundrymen | 2 | 7 | 3.5 |
| Lard renderer | 1 | 6 | 6. |
| Malsters | 5 | 19 | 3.8 |
| Millers | 16 | 63 | 4. |
| Millwright | 2 | 7 | 3.5 |
| Paper maker | 1 | 3 | 3. |
| Pipe maker | 1 | 4 | 4. |
| Potters | 3 | 16 | 5.33 |
| Pressmen | 2 | 9 | 4.5 |
| Printers | 26 | 99 | 3.8 |
| Prison guard | 1 | 2 | 2. |
| Rag sorter | 1 | 5 | 5. |
| Salt maker | 1 | 3 | 3. |
| Soda water maker | 1 | 4 | 4. |
| Spinner | 1 | 9 | 9. |
| Telegraphists | 3 | 11 | 3.66 |
| Tile makers | 3 | 14 | 4.66 |
| Walter | 1 | 5 | 5. |
| Watchmen | 3 | 13 | 4.33 |
| Weaver (carpet) | 1 | 5 | 5. |
| Wire fence maker | 1 | 3 | 3. |
| | 196 | 834 | 4.25 |

FOREMEN, SUPERINTENDENTS, ETC.

| | | | |
|---------------------|----|----|------|
| Car stables | 1 | 6 | 6. |
| Cigar factory | 1 | 3 | 3. |
| Flouring mill | 1 | 6 | 6. |
| Gas works | 4 | 26 | 6.5 |
| Glass works | 1 | 8 | 8. |
| Machine shops | 3 | 14 | 4.66 |
| Nail mill | 1 | 3 | 3. |
| Planing mill | 1 | 3 | 3. |
| Stone works | 1 | 5 | 5. |
| Woolen mill | 1 | 5 | 5. |
| | 15 | 80 | 5.33 |

SUMMARY.

| | | | |
|----------------------------|-------|-------|------|
| Building trades | 278 | 1,241 | 4.46 |
| Shop trades | 457 | 2,068 | 4.52 |
| Metal trades | 244 | 1,110 | 4.55 |
| Railroad employes | 149 | 674 | 4.52 |
| Coal mine employes | 290 | 1,461 | 5.04 |
| Out-door occupations | 500 | 2,366 | 4.73 |
| In-door occupations | 196 | 834 | 4.25 |
| Foremen, etc. | 15 | 80 | 5.33 |
| | 2,129 | 9,834 | 4.62 |

The final summary here exhibits in a concise form the number of families we have under consideration in each of the general groups of occupations. It will be seen that out-door occupations have the greatest number of representatives; that shop trades, building trades

and metal workers each have a representation worthy of their importance, while the number and variety of the railroad and coal mine employes is sufficient to afford very just averages for those classes. The size of families, as shown in this new analysis, is also of interest. The averages, as deduced for the different localities, indicated that, upon further investigation, the families of coal miners would appear as larger than those of other occupations. This is seen to be true in the foregoing table. Aside from the small class of foremen, which is exceptional in all respects, the coal mine employes show the largest family average. Next in order in this respect are the out-door, unskilled workers, who have an average of 4.73 to the family. It will be found in subsequent investigations that those two classes which show the largest families, also show the smallest average earnings, and occupy the lowest plane as to general condition. The difference in the size of families in other classes is noticeable, but not specially significant.

To afford a comprehensive view of the character of our returns, both as regards the distribution of the families represented, and the general nature of their employments, the following table is arranged to show at a glance the number in each of the general classes which report from each locality. In this and subsequent tables the returns from a group of small villages in the vicinity of Peoria are aggregated under the designation Peoria County, as distinguished from the city of Peoria.

TABLE VI.—*Classification by Localities and Occupations.*

| Towns. | Building trades. | Shop trades. | Metal workers | R. R. employes | Coal mine employes. | Out-door occupations. | In-door occupations. | Foremen. etc. | Totals. |
|-------------------|------------------|--------------|---------------|----------------|---------------------|-----------------------|----------------------|---------------|---------|
| Alma..... | | 9 | | | 5 | | | | 5 |
| Altou..... | 11 | | 4 | 5 | 5 | | | | 46 |
| Aurora..... | 22 | 15 | 6 | 23 | | 8 | 6 | | 93 |
| Bartonville..... | | | | | 13 | 22 | 5 | | 13 |
| Belleville..... | 4 | 14 | 16 | 1 | 12 | 4 | 10 | 2 | 63 |
| Bloomington..... | 6 | 1 | 7 | 1 | 5 | 52 | | | 72 |
| Carlinville..... | | 3 | 2 | | 5 | 5 | | | 15 |
| Caseyville..... | | | | | 4 | | | | 4 |
| Centralia..... | 5 | 10 | 10 | | 2 | 15 | 7 | | 49 |
| Champaign..... | 19 | 23 | 9 | 8 | | 20 | 18 | 1 | 98 |
| Chicago..... | 46 | 155 | 26 | 17 | | 79 | 29 | 2 | 354 |
| Coal City..... | | | | | 15 | | | | 15 |
| Collinsville..... | | | 4 | | 25 | | | | 29 |
| Danville..... | 19 | 12 | 7 | 2 | 37 | 40 | 12 | 2 | 131 |
| DuQuoin..... | 2 | | 3 | | 9 | 4 | 2 | | 17 |
| E. St. Louis..... | 4 | 8 | 19 | 20 | | 11 | 19 | 3 | 93 |
| Elgin..... | 7 | | 3 | | | 1 | 2 | | 16 |
| Equality..... | | 3 | 2 | 3 | 19 | 1 | 1 | | 32 |
| Freeport..... | 4 | 1 | 2 | 1 | | 7 | 3 | 1 | 19 |
| Fulton..... | 3 | 1 | 1 | 2 | | 4 | 1 | | 12 |
| Galena..... | 10 | 22 | 5 | | | 11 | | | 50 |
| Galesburg..... | 9 | 14 | 7 | 9 | | 13 | 4 | | 56 |

Table VI.—Continued.

| Towns. | Building trades. | Shop trades. | Metal workers | R. R. employes | Coal mine employes. | Out-door occupations. | In-door occupations. | Foremen, etc. | Totals. |
|--------------------|------------------|--------------|---------------|----------------|---------------------|-----------------------|----------------------|---------------|---------|
| Gardner | | | | 4 | 23 | | | | 27 |
| Gartside | | | | | 5 | | | | 5 |
| Jacksonville | 9 | 38 | 8 | | | | | 1 | 61 |
| Joliet | 7 | 11 | 12 | 2 | | 10 | 6 | 1 | 49 |
| Lincoln | | | | | 4 | | | | 4 |
| Mattoon | 8 | 7 | 2 | 5 | 3 | 6 | 5 | | 36 |
| Moline | 20 | 27 | 23 | 2 | | 57 | 9 | | 138 |
| Mt. Pulaski | 1 | | | | 1 | | | | 2 |
| Pekin | 4 | | 4 | 4 | 9 | 5 | 3 | | 29 |
| Peoria | 16 | 17 | 22 | 3 | 15 | 66 | 24 | 1 | 164 |
| Peoria Co'ty | 6 | | | | 14 | 2 | | | 22 |
| Pontiac | 6 | 14 | | 2 | 3 | 6 | 7 | | 33 |
| Quincy | 1 | 4 | 6 | | | 3 | | | 14 |
| Rentchler | | | | | 2 | | | | 2 |
| Rock Falls | | 2 | 1 | | | | 1 | | 4 |
| Rock Island | 18 | 26 | 11 | 9 | | 33 | | | 98 |
| Springfield | 3 | 1 | 12 | 2 | 4 | 4 | 7 | | 33 |
| Sterling | 7 | 20 | 9 | | | 8 | 6 | 1 | 51 |
| Streator | | | | | 50 | | | | 50 |
| Summerfield | | | | | 1 | | | | 1 |
| Urbana | 1 | | 7 | 8 | | | 1 | | 17 |
| Totals | 278 | 457 | 244 | 149 | 290 | 500 | 196 | 15 | 2,129 |

NATIONALITIES.

The next consideration in natural sequence, after that of the location and occupation of the families here presented, is that of their nationality. This was taken by the canvasser as to the father or head of the family only. All such as were not foreign born were reported as natives. In this and other respects the line of enquiry was simplified as much as possible to avoid the prejudice which a long list of categorical questions might provoke.

The nationality of the family however is an important and interesting consideration in any study of social or economic conditions, and as such, constitutes a feature of all the subsequent tables. At present the showing is confined to the influence nationality has upon the average size of families, and the following summary indicates the number of nationalities which are represented in our returns, the number of families of each nationality and their average size.

TABLE VII.—*Showing Nationalities, Number of Families, and Average size of the same.*

| Nationality of Head of Family. | Number of families visited. | Number of persons in the same. | Av. No. persons in each family. |
|--------------------------------|-----------------------------|--------------------------------|---------------------------------|
| American | 978 | 4,249 | 4.33 |
| English | 152 | 769 | 5.05 |
| Scotch | 65 | 369 | 5.67 |
| Irish | 348 | 1,633 | 4.69 |
| Welsh | 25 | 100 | 4. |
| Germans | 349 | 1,723 | 4.93 |
| Scandinavians | 107 | 561 | 5.24 |
| Danes | 13 | 48 | 3.69 |
| Italians | 11 | 54 | 4.90 |
| Poles | 4 | 15 | 3.75 |
| French | 21 | 102 | 4.85 |
| Swiss | 5 | 30 | 6. |
| Canadians | 22 | 62 | 2.81 |
| Bohemians | 5 | 12 | 2.40 |
| Portuguese | 1 | 2 | 2. |
| Colored | 23 | 105 | 4.56 |
| Totals | 2,129 | 9,834 | 4.62 |

A glance at the foregoing discloses the fact that nearly one-half (46 per cent.) of the whole number are Americans, or natives of the United States; that the Irish and Germans are about equally represented, and constitute together about one-third of the whole. The English and Scandinavians come next; and they are followed in order by the Scotch, Welch, Canadians and French. Six other races have more or less representation, besides the colored people, of whom there are 23 families. Omitting the nationalities whose numbers do not admit of averages of particular significance, it is at once noticeable that the fruitfulness of Americans as a race is less than that of any of the others; that the more prolific are the English, Scotch, Germans and Scandinavians; and that all these classes show larger families than the Irish, who in this respect are only a little above the general average for all classes.

In order to identify the respective nationalities with specific occupations, the following analysis is made, showing the distribution of the different races among the several employments. This table consists of an alphabetical arrangement of the different occupations shown in our returns, with the number of families in each, and also their respective nationalities.

TABLE VII.--Showing the Nationality of Head of Family, and Occupation.

| Occupation of Head of Family. | NATIONALITIES. | | | | | | | | | | | | |
|-------------------------------|----------------|----------|---------|--------|-------|-------|---------|---------------|-------|----------|-------|--------|-------|
| | Whole number | American | English | Scotch | Irish | Welch | Germans | Scandinavians | Danes | Italians | Poles | French | Swiss |
| Bakers | 14 | 1 | | | | | | 4 | 3 | 2 | | 1 | 1 |
| Barbers | 18 | 12 | | | | | | 4 | | | | | |
| Baggagemen | 5 | 4 | | | 1 | | | | | | | | |
| Boilermakers | 9 | 2 | | 2 | 3 | | 2 | | | | | | |
| Boiler helper | 1 | 1 | | | | | | | | | | | |
| Bookbinders | 2 | 2 | | | | | | | | | | | |
| Hookkeepers | 5 | 3 | | | 1 | | 1 | | | | | | |
| Blacksmiths | 75 | 33 | 6 | | 8 | | 27 | 6 | | | | 1 | |
| Blacksmith helpers | 7 | 2 | | | 2 | | 3 | | | | | | |
| Brakemen | 5 | 3 | | | 1 | | 1 | | | | | | |
| Brass workers | 6 | 5 | | | | | 1 | | | | | | |
| Brewers | 5 | | | | | | 5 | | | | | | |
| Bricklayers | 46 | 24 | 7 | 1 | 10 | | 3 | | | | | | |
| Brickmakers | 5 | 3 | 1 | | 1 | | | | | | | | |
| Bridge builders | 5 | 4 | | | | | | 1 | | | | | |
| Bridge tenders | 2 | | | | 2 | | | | | | | | |
| Broom makers | 3 | 2 | | | | | 1 | | | | | | |
| Burnisher | 1 | 1 | | | | | | | | | | | |
| Butchers | 27 | 7 | 2 | 1 | 2 | | 10 | 3 | | | | 1 | |
| Cabinetmakers | 15 | 4 | | | 1 | | 8 | 2 | | | | | |
| Cager | 1 | 1 | | | | | | | | | | | |
| Calcininer | 1 | 1 | | | | | | | | | | | |
| Caller | 1 | | | | | 1 | | | | | | | |

Table VII—Continued.

| Occupation of Head of Family. | NATIONALITIES. | | | | | | | | | | | | | | | |
|-------------------------------|----------------|-----------|----------|-----------|--------|--------|----------|----------------|--------|-----------|--------|--------|------------|----------|------------|-------------|
| | Whole number | American. | English. | Scottish. | Irish. | Welsh. | Germans. | Scandinavians. | Danes. | Italians. | Poles. | Swiss. | Canadians. | Colored. | Bohemians. | Portuguese. |
| Carriage makers. | 5 | 2 | 2 | | | | 1 | | | | | | | | | |
| Carriage ironers. | 2 | 4 | 1 | | | | | | | | | | | | | |
| Carriage painters. | 4 | | | 1 | | | | | | | | | | | | |
| Carriage trimmers. | 4 | | | | | | | | | | | | | | | |
| Car builders. | 4 | | 1 | | | | | | | | | | | | | |
| Car painters. | 5 | | | | | | | | | | | | | | | |
| Car repairers. | 5 | | | 1 | | | | | | | | | | | | |
| Car inspectors. | 6 | | | | | | | | | | | | | | | |
| Carpenters. | 11 | 75 | 6 | 4 | | | 12 | 5 | | | | 1 | 4 | | | |
| Catcher (Foundry). | | | | | | | | | | | | | | | | |
| Cigarmakers. | 75 | 57 | 2 | | | | 3 | | | | | 1 | 4 | | | |
| Cigar packers. | 13 | | | | | | | | | | | | | | | |
| Clerks. | 46 | 28 | 4 | | | 2 | 1 | | | | | | | | | |
| Coal miners. | 23 | 72 | 57 | 35 | 34 | 9 | 15 | 4 | 1 | 5 | | | | 1 | 2 | |
| Conductors (Freight). | 2 | | | | | | | | | | | | | | | |
| Coopers. | 12 | 1 | 2 | | | 5 | | | | | | | | | | |
| Curriers. | 7 | 3 | | | | | | | | | | | | | | |
| Ditchers. | 3 | 1 | | | | | | | 2 | | | | | | | |
| Draughtmen. | 3 | 2 | | | | | | | | | | | | 1 | | |
| Electrician. | 1 | | | | | | | | | | | | | | | |
| Engineers (Loco.) | 12 | 9 | 1 | | | | 1 | | | | | 1 | | | | |
| Engineers (Sta.) | 30 | 23 | 2 | 1 | | | 2 | 1 | | | | 1 | | | | |
| Express agent. | 1 | 1 | | | | | | | | | | | | | | |
| Express drivers. | 7 | 4 | | | 2 | | 1 | | | | | | | | | |
| Farm hands. | 2 | 2 | | | | | | | | | | | | | | |
| Firemen (Loco.) | 16 | 11 | | | | | 4 | | | | | 1 | | | | |
| Firemen (Sta.) | 9 | 5 | | | | 3 | | | | | | | | 1 | | |
| Fishermen. | 1 | | | | | | | 1 | | | | | | | | |
| Flagmen. | 4 | | | | | 3 | | | | | | 1 | | | | |
| Flour packers. | 3 | 3 | | | | | | | | | | | | | | |
| Foremen. | 15 | 10 | | | | 1 | | | | | | 1 | | | | |
| Furnacemen. | 4 | 1 | | | | 3 | | | | | | | | | | |
| Gardener. | 1 | | | | | | 1 | | | | | | | | | |
| Gilder. | 1 | | 1 | 1 | | | | | | | | | | | | |
| Glass blowers. | 3 | 1 | 1 | | | | 1 | | | | | | | | | |
| Grinders. | 4 | | 1 | | | | 1 | 3 | | | | | | | | |
| Harnessmakers. | 31 | 22 | | | 2 | | 5 | | | | | | | | 1 | 1 |
| Heaters (Bar mill). | 4 | 1 | 1 | | 2 | | | | | | | | | | | |
| Heater (Foundry). | 1 | | | | | 1 | | | | | | | | | | |
| Helpers in shop. | 33 | 2 | | | | | 1 | | | | | | | | | |
| Hod carriers. | 3 | | | | | | | 1 | | | 1 | | | | | |
| Horseshoe maker. | 1 | | | | 1 | | | | | | | | | | | |
| Horse-hoer. | 1 | 1 | | | | | | | | | | | | | | |
| Hostlers. | 3 | 2 | | | | | | 1 | | | | | | | | |
| Iron and steel workers. | 13 | 7 | 2 | | 4 | | | | | | | | | | | |
| Janitors. | 4 | | | | | | 1 | 1 | | | | | | | | |
| Laborers. | 397 | 150 | 10 | 4 | 100 | | 53 | 36 | 4 | 6 | | 6 | | 2 | 17 | |
| Laborers, railroad. | 16 | 5 | | | 8 | | 3 | | | | | | | | | |
| Laborers, coal mine. | 19 | 6 | | | 9 | | 2 | 2 | | | | | | | | |
| Lard renderer. | 1 | | | | | | 1 | | | | | | | | | |
| Lather. | 1 | 1 | | | | | | | | | | | | | | |
| Laundrymen. | 2 | 2 | | | | | | | | | | | | | | |
| Lead miners. | 2 | 1 | | | | | | | | | | 1 | | | | |
| Lumber handlers. | 7 | 3 | | | | | 2 | 2 | | | | | | | | |
| Machinists. | 35 | 22 | 2 | | 3 | | 6 | 1 | | | | 1 | | | | |
| Machinists, railroad. | 7 | 2 | | | 1 | | | | 2 | | | | | | | |
| Machine miners. | 4 | 3 | | 1 | | | | | | | | | | | | |
| Maisters. | 5 | | | | 2 | | 3 | | | | | | | | | |
| Marble workers. | 17 | 9 | | | 5 | | 1 | | | | | | | | | |
| Master mechanics. | 2 | 2 | | | | | | | | | | | | | | |

Table VII.—Continued.

| Occupation of Head of Family. | NATIONALITIES. | | | | | | | | | | | |
|-------------------------------|----------------|----------|---------|--------|-------|-------|---------|---------------|-------|----------|-------|--------|
| | Whole number | American | English | Scotch | Irish | Welsh | Germans | Scandinavians | Danes | Italians | Poles | French |
| Swiss | | | | | | | | | | | | |
| Canadians | | | | | | | | | | | | |
| Colored | | | | | | | | | | | | |
| Portuguese | | | | | | | | | | | | |
| Bohemians | | | | | | | | | | | | |
| Mattress maker | 1 | 1 | | | | | | | | | | |
| Millers | 16 | 8 | 2 | | 1 | | 4 | | | | | 1 |
| Millwrights | 2 | 2 | | | | | | | | | | |
| Moulders | 49 | 26 | 4 | 3 | 9 | | 3 | 3 | | | 1 | |
| Monument setter | 1 | 1 | | | | | | | | | | |
| Mule drivers | 3 | 1 | 1 | | | | | | 1 | | | |
| Nailers | 7 | 5 | 2 | | | | | | | | | |
| Nailplate shearer | 1 | 1 | | | | | | | | | | |
| Organ builders | 2 | | | | | | | 1 | | | | 1 |
| Omnibus driver | 1 | | | | | | | 1 | | | | |
| Painters | 62 | 40 | 4 | 1 | 1 | | 11 | 3 | | | | 2 |
| Paper carriers | 2 | 2 | | | | | | | | | | |
| Paper hangers | 6 | 3 | | | | 1 | 1 | | | | 1 | |
| Paper maker | 1 | 1 | | | | | | | | | | |
| Pattern makers | 9 | 5 | | 1 | | | 2 | 1 | | | | |
| Plano makers | 2 | | | | | | 2 | | | | | |
| Picture frame makers | 2 | 1 | | | | | | 1 | | | | |
| Pit bosses | 6 | 1 | 3 | 2 | | | | | | | | |
| Pit sinkers | 2 | | 2 | | | | | | | | | |
| Pit topmen | 2 | 1 | | | | 1 | | | | | | |
| Plasterers | 23 | 11 | 3 | 1 | 5 | | 3 | 1 | | | | |
| Plowfactory men | 7 | 3 | | | | | 3 | 2 | | | | |
| Plumber | 10 | 5 | | 2 | 1 | | | | | | | |
| Potters | 4 | 3 | | | 1 | | | | | | | |
| Pressmen | 2 | 2 | | | | | | | | | | |
| Printers | 26 | 22 | 1 | | | | 1 | 1 | | | 1 | |
| Prison guard | 1 | 1 | | | | | | | | | | |
| Puddlers | 4 | 2 | | | 1 | 1 | | | | | | |
| Puddler helper | 1 | 1 | | | | | | | | | | |
| Quarrymen | 5 | | | | 2 | | 2 | 1 | | | | |
| Rag sorter (paper mill) | 1 | | | | | | | 1 | | | | |
| Refiner (gas) | 1 | | | | 1 | | | | | | | |
| River pilot | 1 | 1 | | | | | | | | | | |
| Roilers | 5 | 2 | | | | 2 | 1 | | | | | |
| Rolling mill hand | 5 | | | | 5 | | | | | | | |
| Roughers | 2 | | 1 | | 1 | | | | | | | |
| Salt maker | 1 | 1 | | | | | | | | | | |
| Saw filer | 1 | | | | | | | 1 | | | | |
| Sawyers | 8 | 6 | | | 1 | | | | | | | 1 |
| Seamen | 2 | | 2 | | | | | | | | | |
| Section bosses | 5 | 4 | | | | | | | | | | |
| Section men | 13 | 5 | | | 7 | | 1 | | | | | |
| Silver plater | 1 | 1 | | | | | | | | | | |
| Sheet-iron worker | 1 | 1 | | | | | | | | | | |
| Shoemaker | 32 | 8 | 2 | | 4 | | 16 | 1 | | | 1 | |
| Shooter (coal) | 1 | 1 | | | | | | | | | | |
| Sodawater maker | 1 | | | | | | 1 | | | | | |
| Spinner | 1 | 1 | | | | | | | | | | |
| Stair builder | 1 | 1 | | | | | | | | | | |
| Station agents | 4 | 4 | | | | | | | | | | |
| Stonemasons | 19 | 4 | | 1 | 2 | | 9 | | | | 1 | |
| Stonecutters | 28 | 12 | 1 | 2 | 6 | | 4 | 2 | | | | |
| Stovemounters | 2 | 2 | | | | | | | | | | |
| Street car conductors | 10 | 2 | | | 6 | | 2 | | | | | |
| Street car drivers | 11 | 4 | | | 4 | | 3 | | | | | |
| Switchmen | 3 | 2 | | | 1 | | | | | | | |
| Tailors | 16 | 2 | 1 | | 3 | | 6 | 3 | | | | 1 |
| Telegraphist | 3 | 3 | | | | | | | | | | |
| Transfers | 66 | 28 | 1 | | 15 | | 14 | 3 | 1 | | 2 | 1 |
| Tile makers | 3 | 2 | | | | | 1 | | | | | |

Table VII.—Continued.

| Occupation of Head of Family. | NATIONALITIES. | | | | | | | | | | | | |
|-------------------------------|----------------|----------|---------|----------|-------|-------|--------|---------------|-------|----------|-------|--------|-------|
| | Whole number | American | English | Scottish | Irish | Welsh | German | Scandinavians | Danes | Italians | Poles | French | Swiss |
| Tinners | 21 | 13 | 1 | | 1 | | | 4 | | | | | |
| Toymaker | 1 | | | | | | | 1 | | | | | |
| Trackmen (mine) | 1 | 1 | | 1 | | 2 | | | | | | | |
| Train dispatcher | 1 | | 1 | | | | | | | | | | |
| Truckmakers | 5 | 1 | | | | | | 4 | | | | | |
| Upholsterers | 9 | 2 | | | 4 | | | | | 1 | | | |
| Wagonmakers | 12 | 5 | 1 | | 2 | | | 4 | | | | | |
| Waiters | 1 | | 1 | | | | | | | | | | |
| Watchfactory operatives | 1 | 1 | 2 | | | | | | | | | | |
| Watchmakers | 5 | 2 | | | 5 | | | | | | | | |
| Watchmen | 1 | | | | | | | | | | | | |
| Weaver | 1 | | | | | | | 1 | | | | | |
| Welders | 1 | 1 | | | | | | | | | | | |
| Well digger | 1 | | 1 | | | | | | | | | | |
| Wood machinists | 20 | 9 | | | 5 | | | 5 | 1 | | | | |
| Wood workers | 17 | 6 | | | 3 | | | 5 | | | | | |
| Wipers (Loc) | 1 | | | | 2 | | | 1 | | | | | |
| Wirefence maker | 1 | | | | | | | 1 | | | | | |
| Yardmasters | 3 | 2 | | | 1 | | | | | | | | |
| Yardmen | 2 | | | | 1 | | | | | | | | |
| Totals | 2129 | 978 | 152 | 65 | 348 | 25 | 549 | 107 | 13 | 11 | 4 | 21 | 5 |

Special interest will attach to this table as indicating the variety of industries represented, and the number engaged in each. This showing, however, may be made somewhat more perspicuous by the use of our general classification of trades, and an arrangement of the nationalities represented in each, as follows:

TABLE IX.—Showing Nationalities and their Representation in the Classified Occupations.

| Nationalities. | Whole number. | Building trades. | Shop trades | Metal workers. | Coal mine employees. | Railroad employees. | Out-door occupations. | In-door occupations. | Foremen. | Totals. |
|----------------|---------------|------------------|-------------|----------------|----------------------|---------------------|-----------------------|----------------------|----------|---------|
| Americans | 978 | 173 | 202 | 130 | 63 | 74 | 178 | 148 | 10 | 978 |
| English | 152 | 21 | 15 | 20 | 76 | 4 | 14 | 2 | | 152 |
| Scottish | 65 | 7 | 7 | 7 | 38 | 1 | 4 | 1 | | 65 |
| Irish | 348 | 24 | 45 | 43 | 47 | 38 | 144 | 4 | 3 | 348 |
| Welsh | 25 | 1 | 5 | 4 | 12 | 3 | | | | 25 |
| German | 349 | 33 | 132 | 33 | 28 | 18 | 78 | 26 | 1 | 349 |
| Scandinavians | 107 | 10 | 25 | 6 | 13 | 5 | 43 | 5 | | 107 |
| Danes | 13 | | 2 | | 4 | 2 | | | | 13 |
| Italians | 11 | | | | 5 | | 6 | | | 11 |
| Poles | 4 | 1 | 3 | | | | | | | 4 |
| French | 21 | 3 | 3 | 1 | 1 | 3 | 8 | 1 | 1 | 21 |
| Swiss | 5 | | 2 | | | | 1 | 1 | | 5 |
| Canadians | 22 | 4 | 8 | | 2 | | | 8 | | 22 |
| Colored | 23 | | 2 | | | 1 | 19 | | | 23 |
| Bohemians | 5 | | 5 | | | | | | | 5 |
| Portuguese | 1 | | 1 | | | | | | | 1 |
| Totals | 2,129 | 278 | 457 | 244 | 220 | 149 | 500 | 196 | 15 | 2,129 |

Here is presented in epitome the number of Americans and of other nationalities who are engaged in each of our eight general divisions of labor. It will be noticed that the greatest number of the American workers are found in the shops; that the English, Scotch and Welch are largely in the mines; that the Irish and Scandinavians and the colored show the largest numbers in out-door occupations; while the greatest number of Germans are in shop trades. This refers not to the relative number employed in the several trades, as shown, but to the proportions of each nationality so engaged. The salient features of this analysis may be brought out more forcibly still by the computing of percentages for the principal nationalities.

TABLE X.—*Showing the Percentages of the Principal Nationalities engaged in the different Classes of Occupations.*

| Nationalities. | Whole number. | Percentage employed in building trades. | Percentage employed in shop trades. | Percentage of metal workers. | Percentage employed in coal mines. | Percentage employed by rail-roads. | Percentage engaged in out-door occupations. | Percentage engaged in in-door occupations. | Percentage of fore-men, etc. | Total per-centage... |
|--------------------------------|---------------|---|-------------------------------------|------------------------------|------------------------------------|------------------------------------|---|--|------------------------------|----------------------|
| Americans..... | 978 | .18 | .21 | .13 | .06 | .08 | .18 | .15 | .01 | 100 |
| Engl'sh, Scotch and Welch..... | 242 | .12 | .12 | .12 | .52 | .03 | .07 | .02 | ..... | 100 |
| Irish..... | 348 | .07 | .13 | .13 | .14 | .10 | .41 | .01 | .008 | 99.8 |
| Germans..... | 349 | .09 | .38 | .10 | .08 | .05 | .22 | .08 | ..... | 100 |
| Scandinavians..... | 107 | .09 | .23 | .06 | .12 | .05 | .40 | .05 | ..... | 100 |

A final illustration on this subject is obtained by reducing all classes to the skilled and unskilled, except the railroad and mine employes, who are shown separately, and computing the percentages of each nationality engaged in these four general classes.

TABLE XI.—*Showing Percentages of Skilled and Unskilled Workers of the Different Nationalities.*

| Nationalities. | Whole number. | Percent- age of skilled workers. | Percent- age of unskilled workers. | Percent- age of railroad employes. | Percent- age of mine employes. |
|--------------------------------|---------------|----------------------------------|------------------------------------|------------------------------------|--------------------------------|
| Americans..... | 978 | .67 | .19 | .08 | .06 |
| English, Scotch and Welch..... | 242 | .38 | .07 | .03 | .52 |
| Irish..... | 348 | .35 | .41 | .10 | .14 |
| Germans..... | 349 | .65 | .22 | .05 | .08 |
| Scandinavians..... | 107 | .43 | .40 | .05 | .12 |
| | 2,024 | 49.6 | 25.8 | .062 | 1.84 |

Here may be readily seen the position occupied by the different nationalities as to the general character of their occupation. The Americans and Germans show the largest percentages in the skilled trades; the English, Scotch and Welch predominate in the mines; the Irish and Scandinavians in unskilled occupations, and the Irish and Americans show the largest percentages in railroad employments.

The results reached indicate very comprehensively the character of the returns under consideration, both as regards the nationality representation and the classes of workmen reached. This ultimate grouping embraces 2,024 of the 2,129 returns, and of these one-half, 49.6 per cent., are skilled workmen; one-fourth, or 25.8 per cent., are unskilled laborers; and the other fourth represents only such degrees of skill as are required in railroad and mining occupations. This is certainly very broadly representative as regards the character of employments. The extent of the investigation as to the territory covered and the race representation secured, has also been very fully indicated. From this general survey of the work, it is believed the results will commend themselves as in a marked degree indicative of the real condition of wage laborers of all classes in all parts of the State.

CHAPTER II.

EARNINGS AND EXPENSES.

An outline of the extent of our enquiry as to places, nationalities and kinds of labor, is afforded in the preceding chapter. It is there shown that 2,129 families were visited, in 51 different places in the State, and that the heads of these families were engaged in 163 kinds of labor, and represented 16 different nationalities. The representative value of the returns obtained was also considered, by an analysis as to towns, trades and races.

This general consideration of the nature of the investigation undertaken, fitly introduces the more explicit showing contemplated in the present chapter. We have thus far merely glanced at the general distribution of the returns, and in connection therewith considered the average size of the families of workingmen as influenced by various conditions. What those families are able to earn as wages for an average year's work, and what relation those earnings sustain to the family expenditures, constitute the next consideration. In this connection a distinction should be recognized between earnings and wages. The tables in Part I of this report treat of wages as reported by manufacturers, and the average working time being given, the probable average wages received are deduced. The earnings given in the subsequent tables refer to the amounts actually received for such work as was really done, at such wages as could be obtained. They therefore constitute the real index of the situation, rather than any nominal rate of wages.

The following general table will be found to embrace the details, both of income and outlay, for each family. While for final deductions, or comparisons, use may be made of summaries and averages as representing relative conditions, the foremost value in a statistical presentation of this character must attach to the specific experiences of the individuals. These constitute the details of a picture whose general aspect every one is more or less familiar with, and as such possess a peculiar interest which aggregates of figures can not have. This table, therefore, is a comprehensive summary of individual cases, under a wide variety of conditions, and, so far as possible, it constitutes a detailed financial history of each family for the period of one year.

The primary grouping is that by occupations, but under it each family is further characterized by its place of residence, nationality, the number of persons of which it is composed, and the size of the tenement in which they live. These conditions being given, the separate and combined earnings of the various members of the family are shown; also the family expenditures, subdivided into twelve general items; and finally the gain or loss resulting at the end of the year.

This is in the nature of a recapitulation of the leading features of the original returns, and presents many interesting details, as well as data for establishing final conclusions. Footings are made for each occupation and averages deduced, but these are subject to subsequent treatment in later tables, which more fully develop their relative significance.

The manner in which the material for this presentation was procured has already been indicated. Representatives of the Bureau consulted with workingmen and their wives at their homes, and, when necessary, assisted them in making up memoranda of their various receipts and disbursements. In some instances access was had to the pay-rolls of employers in order to verify the items of earnings; and where "company stores" were maintained in connection with mines, or other industries, the monthly account current rendered to each employé was readily referred to, both for earnings and the greater part of expenditures. There was, notwithstanding, much patient and careful enquiry required, in order to arrive at the closest possible approximation to the exact facts. It would hardly be justifiable to assume that there was any general tendency on the part of families either in the direction of over-estimation or underestimation in making up their accounts. The disposition on the part of some to exaggerate their annual balances was offset by that of those inclined to the other extreme, and it was the delicate duty of the canvasser to check this tendency in both. In view, therefore, of the caution exercised in this respect, and the subsequent scrutiny all statements received in this office in the effort to eliminate inconsistent and doubtful returns, we feel justified in expressing confidence in the general integrity of the representations made, and in the deductions made therefrom. There can be no question as to the many advantages this plan of procuring statistics has over that of issuing circulars through the mails, and depending upon such voluntary replies as may be made. As compared with returns of that character, these may justly claim to possess a maximum as against a minimum of accuracy and value. With these remarks we present the following extended synopsis of the economic condition of a large body of workingmen in Illinois.

TABLE XII.—*Showing the Occupation, Location, Nationality, and the Annual Earnings and Expenses of Two Thousand and One Hundred and Twenty-nine Families of Workmen in Illinois.*

Note.—RENTS: Blank spaces in the column devoted to rents, indicate that the family owns its home and does not pay rent. In such cases taxes and repairs are included in "Sundries." MEAT AND GROCERIES: Spaces in the column for cost of meat, indicate that the amount expended for this item is included in the general sum given for Groceries, CLOTHING, ETC.: Spaces in this column devoted to Boots and Shoes and Dry Goods show that the expenditures for these articles are embraced in the amount given for clothing. The averages for these imperfect columns relate only to the number of families for which specific figures are given. For exact computations of averages see later tables.

BAKERS.

| PLACE. | Nationality | ANNUAL EARN- INGS OF:— | | | ANNUAL EXPENDITURES FOR— | | | | | | | | | | | Total expenses.... | Surplus | Debt..... | | | |
|----------------|-------------------|---------------------------|------------|-------------|--------------------------|----------------------------------|-----------|------------|-----------|--------------|-------------|--------------------------|--------------|------------|---------------------------|--------------------|---------------|---------------|---------|-------|------|
| | | Husband .. | Wife | Children .. | Number in family. | Number of rooms occupied..... | Rent..... | Fuel | Ment..... | Groceries .. | Clothing .. | Boots and shoes | Dry goods .. | Books..... | Life insur- ance | Trade unions | Sickness..... | Sundries..... | | | |
| Chicago | Scan | \$375 | | \$198 | \$573 | 7 | \$108 | \$12 | | \$200 | \$150 | | | \$3 | | | \$10 | \$50 | \$523 | \$50 | |
| " | Ger. | 450 | | 450 | 450 | 6 | 144 | 12 | | 200 | 75 | | | 3 | | | 20 | 6 | 450 | 14 | \$4 |
| " | Can. | 375 | | 375 | 375 | 4 | 96 | 15 | | 150 | 50 | | | 3 | | | 40 | 30 | 361 | | |
| " | Pole. | 450 | | 450 | 450 | 5 | 96 | 15 | | 165 | 70 | | | 3 | | | 40 | 65 | 454 | 57 | |
| " | Dane. | 375 | | 300 | 675 | 3 | 84 | 12 | \$50 | 900 | 150 | \$10 | \$15 | 2 | | | 15 | 10 | 475 | 101 | |
| " | " | 575 | | 575 | 575 | 4 | 120 | 40 | | 160 | 50 | | | 5 | | | 15 | 25 | 513 | 87 | 3 |
| " | Scan | 375 | | 375 | 375 | 4 | 60 | 25 | | 175 | 75 | | | 5 | | | 15 | 10 | 513 | 101 | |
| " | Ger. | 600 | | 600 | 600 | 3 | 108 | 20 | | 250 | 110 | | | 5 | | | 20 | 10 | 540 | 50 | |
| " | " | 450 | | 150 | 600 | 4 | 132 | 15 | | 300 | 100 | | | 20 | | | 10 | 10 | 580 | 20 | |
| Danville | French .. | 620 | | 620 | 620 | 8 | 120 | 40 | 75 | 150 | 120 | 20 | 200 | | | | 10 | 10 | 580 | 20 | |
| " | " | 450 | | 450 | 450 | 6 | 72 | 20 | 75 | 75 | 40 | 20 | | | | | 10 | 45 | 550 | 114 | 5 |
| Galesburg | Scan | 425 | | 120 | 545 | 4 | 72 | 35 | 40 | 140 | 120 | 40 | 60 | | | | 40 | 25 | 545 | 154 | |
| Rock Island | Ger | 600 | | 600 | 600 | 3 | 60 | 35 | | 140 | 80 | 15 | 4 | | | | 25 | 25 | 446 | | |
| Sterling | Am. | 624 | | 624 | 624 | 5 | 84 | 40 | | 125 | 50 | 25 | | | | | 10 | 10 | 514 | 110 | |
| Totals..... | 14 | \$6,745 | | \$768 | \$7,513 | 67 | \$1,176 | \$339 | \$300 | \$2,540 | \$1,240 | \$110 | \$319 | \$73 | \$60 | \$25 | \$240 | \$316 | \$6,738 | \$787 | \$12 |
| Averages | | 481 79 | | 536 64 | | 4 79 | 98 00 | 24 21 | 60 00 | 181 45 | 88 57 | 22 00 | 53 17 | 4 31 | | | 14 12 | 18 59 | 481 28 | 78 00 | 4 00 |

BARBERS.

| PLACE. | Nationality | ANNUAL EARNINGS OF— | | | Total earnings | Number in family. | Number of rooms occupied. | ANNUAL EXPENDITURES FOR— | | | | | | | | | | | | Total expenses | Surplus | Debt |
|----------------|-------------|---------------------|-------|----------|----------------|-------------------|---------------------------|--------------------------|-------|---------|-----------|----------|-----------------|-----------|-------|----------------|--------------|----------|----------|----------------|---------|--------|
| | | Husband | Wife | Children | | | | Rent | Fuel | Meat | Groceries | Clothing | Boots and shoes | Dry goods | Books | Life insurance | Trade unions | Sickness | Sundries | | | |
| Centralia | Ger | \$576 | | | \$576 | 3 | 3 | \$96 | \$36 | \$84 | \$120 | \$75 | \$28 | \$50 | \$5 | | | \$25 | \$40 | \$559 | \$17 | |
| Champaign | Col | 384 | | | 484 | 3 | 3 | 48 | 20 | 50 | 192 | 40 | 15 | 45 | 21 | | | 14 | 20 | 435 | 49 | |
| Chicago | Am | 624 | \$100 | | 624 | 3 | 3 | 96 | 45 | | 160 | 55 | | | | | | 10 | 7 | 398 | 235 | \$46 |
| | | 500 | | | 500 | 3 | 3 | 84 | 30 | 100 | 175 | 60 | 17 | 60 | 5 | | | 25 | 5 | 545 | | 375 |
| | Ger | 624 | | | 624 | 4 | 4 | 180 | 40 | 190 | 940 | 100 | 25 | 100 | 10 | | | 25 | 20 | 999 | | 44 |
| Danville | Am | 350 | | | 350 | 7 | 7 | 84 | 20 | 75 | 120 | 35 | 25 | 50 | | | | 10 | | 394 | | |
| East St. Louis | Am | 572 | | | 572 | 4 | 4 | 102 | 18 | 100 | 150 | 25 | 25 | 50 | 3 | | | 15 | 20 | 498 | | |
| Galesburg | Col | 546 | | | 546 | 4 | 4 | 84 | 30 | 30 | 130 | 100 | 30 | 70 | 5 | \$20 | | 20 | 25 | 524 | 22 | |
| Jacksonville | Am | 620 | | | 620 | 2 | 2 | 120 | 40 | 54 | 156 | 75 | | | | | | 30 | 50 | 550 | 70 | |
| " | " | 728 | | | 728 | 5 | 5 | 120 | 40 | | 230 | 150 | | | 12 | | | 15 | 100 | 675 | 105 | |
| " | " | 780 | | | 780 | 3 | 3 | 120 | 40 | | 240 | 150 | | | 8 | | | 5 | 40 | 602 | 182 | |
| Mattoon | " | 420 | | | 420 | 5 | 5 | 72 | 30 | 150 | 250 | 100 | 25 | 20 | 10 | | | 15 | 20 | 558 | 42 | |
| Moline | " | 600 | | | 600 | 5 | 5 | 72 | 40 | 65 | 200 | 100 | 30 | 8 | 12 | | | 15 | 15 | 472 | | 4 |
| Pontiac | Col | 468 | | | 468 | 2 | 2 | 96 | 35 | 60 | 130 | 75 | 30 | 11 | 10 | | | 15 | 15 | 426 | 54 | |
| " | Ger | 480 | | | 480 | 2 | 2 | 96 | 35 | 60 | 160 | 35 | 15 | 15 | 15 | | | 40 | 25 | 705 | | 85 |
| " | Am | 420 | \$200 | | 620 | 2 | 2 | 108 | 40 | 125 | 325 | 35 | 40 | 60 | 15 | | | 25 | 100 | 808 | 12 | |
| Sterling | " | 900 | | | 900 | 7 | 7 | 150 | 60 | 125 | 250 | 60 | 35 | 75 | 20 | 30 | | 15 | 5 | 545 | 55 | |
| " | " | 600 | | | 600 | 7 | 7 | 150 | 50 | 75 | 100 | 75 | 40 | 25 | 10 | | | 15 | 5 | | | |
| Totals | 18 | 10,192 | \$200 | | 10,492 | 65 | 75 | \$1,476 | \$654 | \$1,357 | \$3,988 | \$1,345 | \$380 | \$549 | \$166 | \$76 | \$3 | \$304 | \$527 | 10,275 | \$953 | \$736 |
| Averages | | 566.22 | | | 582.88 | 3.61 | 4.16 | 98.40 | 36.35 | 90.47 | 188.22 | 74.72 | 25.38 | 46.36 | 9.78 | | | 1.67 | 29.29 | 540.83 | 79.00 | 123.00 |

BOOKBINDERS.

| PLACE. | Nationality | ANNUAL EARNINGS OF— | | | Total earnings | Number in family. | Number of rooms occupied. | ANNUAL EXPENDITURES FOR— | | | | | | | | | | Total expenses... | Surplus | Debt |
|-----------|-------------|---------------------|-----------|-------------|----------------|-------------------|---------------------------|--------------------------|-----------|-----------|--------------|-------------|-----------------|--------------|-------------|----------------|--------------|-------------------|---------------|---------|
| | | Husband.. | Wife..... | Children... | | | | Rent..... | Fuel..... | Meat..... | Groceries... | Clothing... | Boots and shoes | Dry goods... | Books | Life insurance | Trade unions | Sickness..... | Sundries..... | |
| Champaign | Am. | \$896 | | | \$1,000 | 8 | 6 | \$60 | \$60 | | \$536 | \$275 | | | | | | \$12 | \$150 | \$896 |
| Chicago | " | 750 | | | 750 | 2 | 4 | 120 | 48 | \$160 | 150 | 100 | \$30 | | | | | 4 | 47 | 740 |
| Totals... | 2 | \$1,686 | | | \$1,750 | 10 | 10 | \$180 | \$108 | \$160 | \$686 | \$375 | \$30 | \$70 | \$14 | | | \$16 | \$197 | \$1,636 |
| Averages | | 843 | | | 893 | 5 | 5 | 90 | 54 | 160 | 248.187 | 90 | 30 | 70 | 7 | | | 8 | 98.50 | 818 |

BLACKSMITHS.

| PLACE. | Nationality | ANNUAL EARNINGS OF— | | | Total earnings | Number in family. | Number of rooms occupied. | Rent..... | Fuel..... | Meat..... | Groceries... | Clothing... | Boots and shoes | Dry goods... | Books | Life insurance | Trade unions | Sickness..... | Sundries..... | Total expenses... | Surplus | Debt |
|-------------|-------------|---------------------|-----------|-------------|----------------|-------------------|---------------------------|-----------|-----------|-----------|--------------|-------------|-----------------|--------------|-------------|----------------|--------------|---------------|---------------|-------------------|---------|------|
| | | Husband.. | Wife..... | Children... | | | | | | | | | | | | | | | | | | |
| Alton | Ger. | \$444 | | | \$444 | 4 | 4 | \$96 | \$20 | \$80 | \$140 | \$60 | \$20 | \$15 | \$2 | | | \$25 | \$20 | \$382 | \$62 | |
| Aurora | Am. | 610 | | | 610 | 3 | 6 | 120 | 25 | 100 | 175 | 135 | 20 | 45 | 15 | | | 50 | 20 | 608 | 2 | |
| Belleville | Eng. | 718 | | | 718 | 5 | 8 | 100 | 65 | 144 | 240 | 45 | 40 | 100 | 24 | | | 50 | 50 | 715 | 53 | |
| Bloomington | Ger. | 825 | | | 825 | 9 | 2 | 96 | 80 | 39 | 156 | 25 | 30 | 30 | 12 | | | 50 | 20 | 482 | 94 | \$22 |
| Chicago | Ger. | 576 | | | 576 | 3 | 3 | 72 | 35 | 75 | 183 | 65 | 30 | 10 | 15 | | | 20 | 40 | 427 | 251 | |
| Champaign | Am. | 405 | | | 405 | 3 | 5 | 86 | 35 | 80 | 150 | 30 | 15 | 35 | 10 | | | 5 | | 386 | | |
| Chicago | Am. | 600 | | | 600 | 8 | 5 | 120 | 50 | 50 | 160 | 30 | 30 | 15 | 6 | | | 6 | | 524 | 76 | |
| Chicago | " | 600 | | | 600 | 2 | 3 | 80 | 35 | 50 | 240 | 30 | 12 | 15 | 8 | | | 2 | | 400 | 800 | |
| Chicago | " | 600 | | | 600 | 4 | 4 | 84 | 34 | 50 | 250 | 80 | 35 | 40 | 8 | | | 2 | | 563 | 538 | |
| Chicago | " | 700 | | | 700 | 3 | 3 | 80 | 30 | 60 | 125 | 40 | 35 | 50 | 10 | | | 2 | | 430 | 270 | |
| Chicago | " | 600 | | | 600 | 3 | 3 | 80 | 30 | 60 | 240 | 30 | 30 | 150 | 10 | | | 2 | | 570 | 30 | |
| Chicago | " | 750 | | | 750 | 3 | 3 | 132 | 100 | 70 | 300 | 100 | 50 | 200 | 5 | | | 30 | 50 | 770 | 280 | |
| Chicago | " | 1,000 | | | 1,000 | 3 | 4 | 100 | 100 | 100 | 250 | 100 | 50 | 200 | 5 | | | 30 | 50 | 927 | 673 | |
| Chicago | " | 800 | | | 800 | 4 | 4 | 100 | 80 | 60 | 180 | 75 | 25 | 100 | 8 | | | 16 | 75 | 846 | 4 | |
| Chicago | " | 893 | | | 893 | 1 | 1 | 80 | 30 | 100 | 230 | 100 | 20 | 100 | 2 | | | 16 | 24 | 895 | 35 | |
| Chicago | " | 624 | | | 624 | 2 | 2 | 80 | 35 | 100 | 230 | 75 | 25 | 100 | 2 | | | 16 | 24 | 895 | 35 | |
| Chicago | " | 800 | | | 800 | 5 | 5 | 168 | 42 | 110 | 300 | 100 | 50 | 150 | 12 | | | 16 | 24 | 895 | 35 | |
| Chicago | " | 702 | | | 702 | 3 | 3 | 96 | 40 | 100 | 182 | 55 | 25 | 35 | 12 | | | 16 | 24 | 895 | 35 | |
| Chicago | " | 660 | | | 660 | 4 | 4 | 120 | 30 | 100 | 230 | 100 | 20 | 100 | 2 | | | 16 | 24 | 895 | 35 | |
| Chicago | " | 405 | | | 405 | 4 | 4 | 180 | 30 | 100 | 230 | 100 | 20 | 100 | 2 | | | 16 | 24 | 895 | 35 | |
| Chicago | " | 864 | | | 864 | 6 | 6 | 180 | 30 | 100 | 230 | 100 | 20 | 100 | 2 | | | 16 | 24 | 895 | 35 | |

Blacksmiths—Continued.

| PLACE. | Nationality | ANNUAL EARNINGS OF— | | | Number in family. | Number of rooms occupied..... | ANNUAL EXPENDITURES FOR— | | | | | | | | | | | Total expenses.... | Surplus | Debt..... |
|--------------|-------------------|---------------------|-----------|-------------|-------------------|-------------------------------|--------------------------|-----------|-----------|--------------|-------------|-----------------------|--------------|------------|----------------------|--------------------|---------------|--------------------|---------------|-----------|
| | | Husband.. | Wife..... | Children... | | | Rent..... | Fuel..... | Meat..... | Groceries .. | Colthing .. | Boots and shoes | Dry goods... | Books..... | Life insurance | Trade unions | Sickness..... | Sundries.... | | |
| Urbana..... | Am..... | \$390 | \$198 | \$238 | 5 | 4 | \$37 | \$208 | \$208 | \$208 | \$25 | \$55 | \$30 | \$25 | \$10 | ..... | ..... | \$144 | \$119 | ..... |
| " | Irish..... | 410 | ..... | 415 | 5 | 5 | \$60 | 32 | 32 | 208 | 108 | 55 | ..... | 15 | ..... | ..... | \$10 | 5 | 480 | 5 |
| " | Ger..... | 780 | ..... | 780 | 2 | 5 | 35 | 35 | 156 | 106 | 106 | ..... | ..... | ..... | ..... | ..... | 75 | 20 | 397 | 383 |
| " | " | 590 | ..... | 408 | 3 | 4 | 35 | 35 | 208 | 80 | 140 | ..... | ..... | ..... | ..... | ..... | ..... | 48 | 376 | 32 |
| " | " | 618 | ..... | 618 | 5 | 6 | 30 | 30 | 369 | 140 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 40 | 594 | 51 |
| Totals..... | 75 | 46,676 | \$1,200 | \$2,833 | 50,709 | 330 | \$1,627 | \$2,735 | \$3,793 | 15,115 | 96,215 | \$1,429 | \$2,077 | \$635 | \$254 | \$73 | \$1,454 | \$2,091 | 40,498 | \$863 |
| Average..... | ..... | 622 35 | ..... | 676 12 | 4 66 | 4 62 | 107 60 | 36 46 | 72 94 | 201 53 | 82 87 | 26 79 | 41 54 | 8 47 | ..... | 19 33 | 27 89 | 539 97 | \$180 | 22 |

BLACKSMITHS' HELPERS.

| PLACE. | Nationality | ANNUAL EARNINGS OF— | | | Number in family. | Number of rooms occupied..... | ANNUAL EXPENDITURES FOR— | | | | | | | | | | | Total expenses.... | Surplus | Debt..... |
|---------------|-------------------|---------------------|-----------|-------------|-------------------|-------------------------------|--------------------------|-----------|-----------|--------------|-------------|-----------------------|--------------|------------|----------------------|--------------------|---------------|--------------------|---------------|-----------|
| | | Husband.. | Wife..... | Children... | | | Rent..... | Fuel..... | Meat..... | Groceries .. | Colthing .. | Boots and shoes | Dry goods... | Books..... | Life insurance | Trade unions | Sickness..... | Sundries.... | | |
| Elgin..... | Ger..... | \$504 | ..... | \$504 | 4 | 7 | 7 | \$40 | \$100 | \$150 | \$20 | \$25 | \$10 | \$20 | ..... | ..... | ..... | \$100 | \$504 | ..... |
| Moline..... | Scan..... | 460 | ..... | 460 | 4 | 3 | 3 | 30 | 60 | 150 | 50 | 12 | 16 | 3 | ..... | ..... | ..... | 15 | 351 | ..... |
| " | " | 500 | ..... | 500 | 4 | 5 | ..... | 30 | 75 | 200 | 45 | 12 | 10 | 8 | ..... | ..... | ..... | 25 | 480 | 20 |
| Peoria..... | Irish..... | 520 | ..... | 520 | 4 | 4 | 4 | 40 | 208 | 45 | 80 | 20 | 20 | 10 | ..... | ..... | ..... | 75 | 428 | 92 |
| Urbana..... | Ger..... | 499 | ..... | 499 | 5 | 3 | 42 | 42 | 264 | 75 | ..... | ..... | ..... | ..... | ..... | ..... | 90 | 32 | 446 | 53 |
| " | " | 364 | ..... | 364 | 5 | 3 | \$60 | 32 | 144 | 90 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 21 | 361 | 13 |
| " | Am..... | 449 | ..... | 449 | 5 | 4 | 40 | 40 | 216 | 127 | ..... | ..... | ..... | 15 | ..... | ..... | ..... | 21 | 419 | 30 |
| Totals..... | 7 | \$3,296 | ..... | \$3,296 | 31 | 29 | \$60 | \$254 | \$351 | \$1,332 | \$182 | \$79 | \$16 | \$63 | ..... | ..... | \$114 | \$314 | \$2,979 | \$318 |
| Averages..... | ..... | 470 86 | ..... | 470 86 | 4 45 | 4 14 | 60 | 36 30 | 78 33 | 190 30 | 68 86 | 19 76 | 11 50 | 9 | ..... | ..... | 22 80 | 44 86 | 425 57 | 53 |

BRACKEN:

| | Am. | \$540 | 2 | 5 | \$120 | \$60 | \$144 | \$20 | \$15 | \$10 | \$3 | \$12 | \$5 | \$50 | \$531 | \$9 |
|------------------|--------|---------|-----|-----|-------|-------|--------------|-------|-------|-------|-------|-------|-------|-------|---------|--------|
| Aurora..... | Ger. | 499 | 3 | 4 | 84 | 25 | 28 | 80 | 25 | 60 | 5 | ..... | 15 | 35 | 462 | 37 |
| Galesburg..... | Irish. | 380 | 10 | 3 | 60 | 25 | 20 | 30 | 15 | 30 | 20 | ..... | 5 | 25 | 285 | \$225 |
| Collet..... | Am. | 454 | 4 | 5 | 40 | 70 | 25 | 35 | 23 | 28 | 15 | 7 | ..... | 25 | 408 | 16 |
| Rock Island..... | Am. | 650 | 3 | 4 | 78 | 30 | 40 | 135 | ..... | 5 | ..... | 36 | ..... | 15 | 514 | 146 |
| Totals..... | 5 | \$2,543 | 22 | 21 | \$312 | \$180 | \$218,1,009 | \$320 | \$78 | \$163 | \$45 | \$55 | ..... | \$125 | \$2,560 | \$208 |
| Averages..... | | 508 60 | 4.4 | 4.2 | 85 50 | 36 | 43 60,201 80 | 14 | 19 50 | 32 60 | 9 | ..... | 5 | 25 | 512 | 41 225 |

BOOK-KEEPERS.

| | Am. | \$500 | 3 | \$50 | \$50 | \$20 | \$150 | \$100 | | \$100 | \$20 | \$10 | \$150 | \$50 |
|-------------|--------|---------|-----|-------|-------|-------|-------|-------|--|-------|-------|--------|---------|---------|
| Dunville | Am. | \$500 | 3 | \$50 | \$50 | \$20 | \$150 | \$100 | | \$100 | \$20 | \$10 | \$150 | \$50 |
| Elgin | Ger. | 660 | 4 | 70 | 100 | 300 | 125 | | | | 50 | \$1.45 | 660 | |
| Freeport | Ger. | 1,200 | 2 | 68 | 80 | 140 | 150 | \$0 | | | 50 | 40 | 648 | 552 |
| Pontiac | Irish. | 1,000 | 5 | 45 | 50 | 180 | 30 | 25 | | | 15 | 75 | 540 | 450 |
| Springfield | Am. | 1,900 | 5 | 40 | 100 | 300 | 150 | 20 | | | 10 | 150 | 930 | 495 |
| Totals | 5 | \$4,200 | 19 | \$525 | 4,785 | \$359 | \$970 | \$555 | | \$75 | \$375 | \$105 | \$1,238 | \$1,517 |
| Averages | | \$52 | 8.8 | 5.2 | 937 | 70 | 194 | 111 | | 21 | 93.75 | 33 | 79 | 587 |

BRASS WORKERS.

[illegible]

BREWERS.

| PLACE. | Nationality | ANNUAL EARNINGS OF— | | | Total earnings.... | Number in family.. | Number of rooms occupied..... | ANNUAL EXPENDITURES FOR— | | | | | | | | | | | Total expenses.... | Surplus..... | Debt..... |
|-----------------|-------------|---------------------|-----------|-------------|--------------------|--------------------|-------------------------------|--------------------------|-----------|-----------|--------------|--------------|----------------------|--------------|------------|---------------------|--------------|---------------|--------------------|--------------|-----------|
| | | Husband.. | Wife..... | Children... | | | | Rent | Fuel..... | Meat..... | Groceries... | Clothing.... | Boots and shoes..... | Dry goods... | Books..... | Life insurance..... | Trade unions | Sickness..... | Sundries..... | | |
| Belleville..... | Ger..... | \$480 | ..... | ..... | \$480 | 7 | 4 | \$108 | \$16 | \$65 | \$125 | \$25 | \$30 | \$40 | \$5 | ..... | ..... | \$30 | \$20 | \$464 | \$16 |
| " | " | 1,320 | ..... | ..... | 1,320 | 10 | 4 | ..... | 25 | 219 | 900 | 100 | 75 | 30 | 10 | ..... | ..... | 50 | 75 | 914 | 406 |
| " | " | 660 | ..... | ..... | 660 | 5 | 3 | ..... | 15 | 75 | 125 | 50 | 10 | 25 | 5 | ..... | ..... | 50 | 25 | 461 | 194 |
| Danville..... | " | 144 | ..... | ..... | 144 | 4 | 2 | 72 | 20 | ..... | 70 | 30 | 10 | 6 | 5 | ..... | ..... | ..... | 10 | 223 | \$79 |
| " | " | 600 | ..... | ..... | 600 | 4 | 3 | 96 | ..... | ..... | 150 | 100 | ..... | 100 | 10 | ..... | ..... | 30 | ..... | 486 | 114 |
| Totals..... | 5 | \$3,204 | ..... | ..... | \$3,204 | 30 | 16 | \$372 | \$76 | \$359 | \$770 | \$305 | \$115 | \$201 | \$35 | \$30 | ..... | \$160 | \$130 | \$2,553 | \$730 |
| Averages.. | ..... | 640 80 | ..... | ..... | 640 80 | 6 | 3.2 | 93 | 19 119 66 | ..... | 154 | 6 | 38 33 | 40 20 | 7 | ..... | ..... | 32 | 28 50 60 | 510 60 | 146 |

BRICKLAYERS.

| PLACE. | Nationality | ANNUAL EARNINGS OF— | | | Total earnings.... | Number in family.. | Number of rooms occupied..... | Total earnings.... | Surplus..... | Debt..... | | | | | | | | | | | |
|-----------------|-------------|---------------------|-----------|-------------|--------------------|--------------------|-------------------------------|--------------------|--------------|-----------|-------|------|------|------|-----|-------|-------|------|------|-------|------|
| | | Husband.. | Wife..... | Children... | | | | | | | | | | | | | | | | | |
| Alton..... | Am..... | \$570 | ..... | ..... | \$570 | 6 | 4 | \$52 | \$24 | \$30 | \$180 | \$60 | \$30 | \$20 | \$7 | ..... | ..... | \$15 | \$40 | \$548 | \$28 |
| Aurora..... | " | 546 | ..... | ..... | 546 | 4 | 8 | 72 | 45 | 75 | 144 | 53 | 20 | 30 | 10 | ..... | ..... | 10 | 30 | 453 | 63 |
| " | " | 720 | ..... | ..... | 720 | 3 | 6 | ..... | 55 | 84 | 260 | 40 | 20 | 150 | 15 | ..... | ..... | 16 | 60 | 829 | 181 |
| " | " | 720 | ..... | ..... | 720 | 3 | 6 | ..... | 60 | 135 | 160 | 30 | 25 | 150 | 15 | ..... | ..... | 60 | 60 | 623 | 92 |
| " | Irish | 468 | ..... | ..... | 468 | 7 | 6 | ..... | 50 | 180 | 300 | 35 | 18 | 50 | 12 | ..... | ..... | 25 | 5 | 690 | 106 |
| " | " | 654 | ..... | ..... | 654 | 6 | 6 | ..... | 48 | 120 | 300 | 35 | 20 | 50 | 12 | ..... | ..... | 25 | 50 | 993 | 188 |
| " | " | 468 | ..... | ..... | 468 | 6 | 6 | ..... | 45 | 60 | 125 | 35 | 40 | 35 | 18 | ..... | ..... | 25 | 50 | 320 | 101 |
| " | Am. | 384 | ..... | ..... | 384 | 4 | 4 | ..... | 50 | 85 | 180 | 50 | 20 | 35 | 18 | ..... | ..... | 25 | 25 | 553 | 101 |
| Belleville..... | Ger | 386 | ..... | ..... | 386 | 4 | 4 | ..... | 10 | 50 | 90 | 50 | 25 | 50 | 18 | ..... | ..... | 25 | 25 | 320 | 101 |
| Bloomington | Am | 700 | ..... | ..... | 700 | 4 | 5 | ..... | 10 | 30 | 200 | 50 | 25 | 50 | 18 | ..... | ..... | 25 | 25 | 423 | 101 |
| Champaign | " | 720 | ..... | ..... | 720 | 7 | 5 | ..... | 35 | ..... | 32 | 50 | 25 | 50 | 18 | ..... | ..... | 25 | 25 | 320 | 101 |
| " | " | 576 | ..... | ..... | 576 | 6 | 5 | ..... | 30 | ..... | 32 | 50 | 25 | 50 | 18 | ..... | ..... | 25 | 25 | 423 | 101 |
| " | " | 675 | ..... | ..... | 675 | 9 | 3 | ..... | 30 | ..... | 32 | 50 | 25 | 50 | 18 | ..... | ..... | 25 | 25 | 423 | 101 |
| " | " | 675 | ..... | ..... | 675 | 9 | 3 | ..... | 30 | ..... | 32 | 50 | 25 | 50 | 18 | ..... | ..... | 25 | 25 | 423 | 101 |
| " | " | 675 | ..... | ..... | 675 | 9 | 3 | ..... | 30 | ..... | 32 | 50 | 25 | 50 | 18 | ..... | ..... | 25 | 25 | 423 | 101 |
| " | " | 675 | ..... | ..... | 675 | 9 | 3 | ..... | 30 | ..... | 32 | 50 | 25 | 50 | 18 | ..... | ..... | 25 | 25 | 423 | 101 |
| " | " | 675 | ..... | ..... | 675 | 9 | 3 | ..... | 30 | ..... | 32 | 50 | 25 | 50 | 18 | ..... | ..... | 25 | 25 | 423 | 101 |
| " | " | 675 | ..... | ..... | 675 | 9 | 3 | ..... | 30 | ..... | 32 | 50 | 25 | 50 | 18 | ..... | ..... | 25 | 25 | 423 | 101 |
| " | " | 675 | ..... | ..... | 675 | 9 | 3 | ..... | 30 | ..... | 32 | 50 | 25 | 50 | 18 | ..... | ..... | 25 | 25 | 423 | 101 |
| " | " | 675 | ..... | ..... | 675 | 9 | 3 | ..... | 30 | ..... | 32 | 50 | 25 | 50 | 18 | ..... | ..... | 25 | 25 | 423 | 101 |
| " | " | 675 | ..... | ..... | 675 | 9 | 3 | ..... | 30 | ..... | 32 | 50 | 25 | 50 | 18 | ..... | ..... | 25 | 25 | 423 | 101 |
| " | " | 675 | ..... | ..... | 675 | 9 | 3 | ..... | 30 | ..... | 32 | 50 | 25 | 50 | 18 | ..... | ..... | 25 | 25 | 423 | 101 |
| " | " | 675 | ..... | ..... | 675 | 9 | 3 | ..... | 30 | ..... | 32 | 50 | 25 | 50 | 18 | ..... | ..... | 25 | 25 | 423 | 101 |
| " | " | 675 | ..... | ..... | 675 | 9 | 3 | ..... | 30 | ..... | 32 | 50 | 25 | 50 | 18 | ..... | ..... | 25 | 25 | 423 | 101 |
| " | " | 675 | ..... | ..... | 675 | 9 | 3 | ..... | 30 | ..... | 32 | 50 | 25 | 50 | 18 | ..... | ..... | 25 | 25 | 423 | 101 |
| " | " | 675 | ..... | ..... | 675 | 9 | 3 | ..... | 30 | ..... | 32 | 50 | 25 | 50 | 18 | ..... | ..... | 25 | 25 | 423 | 101 |
| " | " | 675 | ..... | ..... | 675 | 9 | 3 | ..... | 30 | ..... | 32 | 50 | 25 | 50 | 18 | ..... | ..... | 25 | 25 | 423 | 101 |
| " | " | 675 | ..... | ..... | 675 | 9 | 3 | ..... | 30 | ..... | 32 | 50 | 25 | 50 | 18 | ..... | ..... | 25 | 25 | 423 | 101 |
| " | " | 675 | ..... | ..... | 675 | 9 | 3 | ..... | 30 | ..... | 32 | 50 | 25 | 50 | 18 | ..... | ..... | 25 | 25 | 423 | 101 |
| " | " | 675 | ..... | ..... | 675 | 9 | 3 | ..... | 30 | ..... | 32 | 50 | 25 | 50 | 18 | ..... | ..... | 25 | 25 | 423 | 101 |
| " | " | 675 | ..... | ..... | 675 | 9 | 3 | ..... | 30 | ..... | 32 | 50 | 25 | 50 | 18 | ..... | ..... | 25 | 25 | 423 | 101 |
| " | " | 675 | ..... | ..... | 675 | 9 | 3 | ..... | 30 | ..... | 32 | 50 | 25 | 50 | 18 | ..... | ..... | 25 | 25 | 423 | 101 |
| " | " | 675 | ..... | ..... | 675 | 9 | 3 | ..... | 30 | ..... | 32 | 50 | 25 | 50 | 18 | ..... | ..... | 25 | 25 | 423 | 101 |
| " | " | 675 | ..... | ..... | 675 | 9 | 3 | ..... | 30 | ..... | 32 | 50 | 25 | 50 | 18 | ..... | ..... | 25 | 25 | 423 | 101 |
| " | " | 675 | ..... | ..... | 675 | 9 | 3 | ..... | 30 | ..... | 32 | 50 | 25 | 50 | 18 | ..... | ..... | 25 | 25 | 423 | 101 |
| " | " | 675 | ..... | ..... | 675 | 9 | 3 | ..... | 30 | ..... | 32 | 50 | 25 | 50 | 18 | ..... | ..... | 25 | 25 | 423 | 101 |
| " | " | 675 | ..... | ..... | 675 | 9 | 3 | ..... | 30 | ..... | 32 | 50 | 25 | 50 | 18 | ..... | ..... | 25 | 25 | 423 | 101 |
| " | " | 675 | ..... | ..... | 675 | 9 | 3 | ..... | 30 | ..... | 32 | 50 | 25 | 50 | 18 | ..... | ..... | 25 | 25 | 423 | 101 |
| " | " | 675 | ..... | ..... | 675 | 9 | 3 | ..... | 30 | ..... | 32 | 50 | 25 | 50 | 18 | ..... | ..... | 25 | 25 | 423 | 101 |
| " | " | 675 | ..... | ..... | 675 | 9 | 3 | ..... | 30 | ..... | 32 | 50 | 25 | 50 | 18 | ..... | ..... | 25 | 25 | 423 | 101 |
| " | " | 675 | ..... | ..... | 675 | 9 | 3 | ..... | 30 | ..... | 32 | 50 | 25 | 50 | 18 | ..... | ..... | 25 | 25 | 423 | 101 |
| " | " | 675 | ..... | ..... | 675 | 9 | 3 | ..... | 30 | ..... | 32 | 50 | 25 | 50 | 18 | ..... | ..... | 25 | 25 | 423 | 101 |
| " | " | 675 | ..... | ..... | 675 | 9 | 3 | ..... | 30 | ..... | 32 | 50 | 25 | 50 | 18 | ..... | ..... | 25 | 25 | 423 | 101 |
| " | " | 675 | ..... | ..... | 675 | 9 | 3 | ..... | 30 | ..... | 32 | 50 | 25 | 50 | 18 | ..... | ..... | 25 | 25 | 423 | 101 |
| " | " | 675 | ..... | ..... | 675 | 9 | 3 | ..... | 30 | ..... | 32 | 50 | 25 | 50 | 18 | ..... | ..... | 25 | 25 | 423 | 101 |
| " | " | 675 | ..... | ..... | 675 | 9 | 3 | ..... | 30 | ..... | 32 | 50 | 25 | 50 | 18 | ..... | ..... | 25 | 25 | 423 | 101 |
| " | " | 675 | ..... | ..... | 675 | 9 | 3 | ..... | 30 | ..... | 32 | 50 | 25 | 50 | 18 | ..... | ..... | 25 | 25 | 423 | 101 |
| " | " | 675 | ..... | ..... | 675 | 9 | 3 | ..... | 30 | ..... | 32 | 50 | 25 | 50 | 18 | ..... | ..... | 25 | 25 | 423 | 101 |
| " | " | 675 | ..... | ..... | 675 | 9 | 3 | ..... | 30 | ..... | 32 | 50 | 25 | 50 | 18 | ..... | ..... | 25 | 25 | 423 | 101 |
| " | " | 675 | ..... | ..... | 675 | 9 | 3 | ..... | 30 | ..... | 32 | 50 | 25 | 50 | 18 | ..... | ..... | 25 | 25 | 423 | 101 |
| " | " | 675 | ..... | ..... | 675 | 9 | 3 | ..... | 30 | ..... | 32 | 50 | 25 | 50 | 18 | ..... | ..... | 25 | 25 | 423 | 101 |
| " | " | 675 | ..... | ..... | 675 | 9 | 3 | ..... | 30 | ..... | 32 | 50 | 25 | 50 | 18 | ..... | ..... | 25 | 25 | 423 | 101 |
| " | " | 675 | ..... | ..... | 675 | 9 | 3 | ..... | 30 | ..... | 32 | 50 | 25 | 50 | 18 | ..... | ..... | 25 | 25 | 423 | 101 |
| " | " | 675 | ..... | ..... | 675 | 9 | 3 | ..... | 30 | ..... | 32 | 50 | 25 | 50 | 18 | ..... | ..... | 25 | 25 | 423 | 101 |
| " | " | 675 | ..... | ..... | 675 | 9 | 3 | ..... | 30 | ..... | 32 | 50 | 25 | 50 | 18 | ..... | ..... | 25 | 25 | 423 | 101 |
| " | " | 675 | ..... | ..... | 675 | 9 | 3 | ..... | 30 | ..... | 32 | 50 | 25 | 50 | 18 | ..... | ..... | 25 | 25 | 423 | 101 |
| " | " | 675 | ..... | ..... | 675 | 9 | 3 | ..... | 30 | ..... | 32 | 50 | 25 | 50 | 18 | ..... | ..... | 25 | 25 | 423 | 101 |
| " | " | 675 | ..... | ..... | 675 | 9 | 3 | ..... | 30 | ..... | 32 | 50 | 25 | 50 | 18 | ..... | ..... | 25 | 25 | 423 | 101 |
| " | " | 675 | ..... | ..... | 675 | 9 | 3 | ..... | 30 | ..... | 32 | 50 | 25 | 50 | 18 | ..... | ..... | 25 | 25 | 423 | 101 |
| " | " | 675 | ..... | ..... | 675 | 9 | 3 | ..... | 30 | ..... | 32 | 50 | 25 | 50 | 18 | ..... | ..... | 25 | 25 | 423 | 101 |
| " | " | 675 | ..... | ..... | 675 | 9 | 3 | ..... | 30 | ..... | 32 | 50 | 25 | 50 | 18 | ..... | ..... | 25 | 25 | 423 | 101 |
| " | " | 675 | ..... | ..... | 675 | 9 | 3 | ..... | 30 | ..... | 32 | 50 | 25 | 50 | 18 | ..... | ..... | 25 | 25 | 423 | 101 |
| " | " | 675 | ..... | ..... | 675 | 9 | 3 | ..... | 30 | ..... | 32 | 50 | 25 | 50 | 18 | ..... | ..... | 25 | 25 | 423 | 101 |
| " | " | 675 | ..... | ..... | 675 | 9 | 3 | ..... | 30 | ..... | 32 | 50 | 25 | 50 | 18 | ..... | ..... | 25 | 25 | 423 | 101 |
| " | " | 675 | ..... | ..... | 675 | 9 | 3 | ..... | 30 | ..... | 32 | 50 | 25 | 50 | 18 | ..... | ..... | 25 | 25 | 423 | 101 |
| " | " | 675 | ..... | ..... | 675 | 9 | 3 | ..... | 30 | ..... | 32 | 50 | 25 | 50 | 18 | ..... | ..... | 25 | 25 | 423 | 101 |
| " | " | 675 | ..... | ..... | 675 | 9 | 3 | ..... | 30 | ..... | 32 | 50 | 25 | 50 | 18 | ..... | ..... | 25 | 25 | 423 | 101 |
| " | " | 675 | ..... | ..... | 675 | 9 | 3 | ..... | 30 | | | | | | | | | | | | |

| | | | | | | | | | | | | | | | |
|--------------|--------|----------|---------|----------|---------|------|---------|---------|---------|---------|---------|---------|---------|---------|----------|
| Chicago | Am. | 720 | 600 | 720 | 720 | 71 | 5 | 150 | 40 | 335 | 200 | 15 | 25 | 50 | 720 |
| " | " | 700 | 600 | 192 | 40 | 2 | 120 | 90 | 100 | 180 | 100 | 8 | 5 | 25 | 600 |
| " | " | 700 | 100 | 120 | 30 | 3 | 120 | 90 | 100 | 180 | 100 | 13 | 10 | 60 | 476 |
| " | " | 1,050 | 700 | 144 | 50 | 5 | 156 | 50 | 156 | 350 | 100 | 15 | 1 | 100 | 876 |
| " | " | 744 | 1,050 | 744 | 60 | 7 | 144 | 50 | 156 | 350 | 100 | 15 | 3 | 122 | 1,050 |
| " | " | 500 | 920 | 1,420 | 60 | 4 | 192 | 60 | 73 | 340 | 85 | 10 | 3 | 10 | 740 |
| " | " | 500 | 920 | 1,420 | 150 | 7 | 6 | 150 | 200 | 300 | 300 | 20 | 5 | 100 | 285 |
| Irish | Am. | 725 | 725 | 4 | 40 | 4 | 100 | 275 | 100 | 275 | 75 | 10 | 3 | 20 | 715 |
| " | " | 648 | 648 | 6 | 30 | 6 | 30 | 100 | 150 | 150 | 50 | 12 | 10 | 100 | 10 |
| Danville | Eng. | 720 | 720 | 3 | 30 | 3 | 30 | 100 | 150 | 150 | 50 | 15 | 15 | 15 | 158 |
| " | " | 540 | 540 | 2 | 78 | 2 | 40 | 60 | 20 | 60 | 20 | 10 | 4 | 4 | 322 |
| " | " | 450 | 450 | 5 | 24 | 5 | 24 | 60 | 20 | 60 | 20 | 10 | 10 | 10 | 365 |
| Irish | Irish | 300 | 300 | 5 | 20 | 5 | 20 | 100 | 100 | 100 | 30 | 5 | 2 | 2 | 321 |
| Ger | Ger | 300 | 300 | 5 | 20 | 5 | 20 | 100 | 100 | 100 | 30 | 5 | 2 | 2 | 320 |
| DuQuoin | Eng. | 650 | 650 | 7 | 15 | 7 | 80 | 225 | 75 | 225 | 75 | 12 | 12 | 50 | 165 |
| Freeport | Eng. | 546 | 546 | 11 | 60 | 11 | 60 | 75 | 50 | 150 | 200 | 15 | 35 | 20 | 577 |
| Galesburg | Am. | 678 | 678 | 3 | 130 | 3 | 30 | 40 | 30 | 150 | 100 | 10 | 25 | 20 | 595 |
| " | " | 800 | 800 | 2 | 72 | 2 | 30 | 40 | 30 | 250 | 100 | 7 | 25 | 20 | 534 |
| Jacksonville | " | 468 | 468 | 5 | 66 | 5 | 30 | 30 | 30 | 200 | 60 | 10 | 32 | 32 | 591 |
| " | " | 714 | 714 | 4 | 60 | 4 | 60 | 75 | 30 | 200 | 60 | 18 | 15 | 145 | 609 |
| Joliet | Scotch | 420 | 420 | 5 | 35 | 5 | 35 | 104 | 25 | 200 | 80 | 15 | 5 | 5 | 554 |
| Mattoon | Am. | 648 | 648 | 3 | 75 | 3 | 65 | 65 | 20 | 250 | 80 | 15 | 15 | 145 | 609 |
| " | " | 600 | 600 | 6 | 40 | 6 | 40 | 65 | 30 | 250 | 75 | 15 | 15 | 145 | 586 |
| " | " | 900 | 900 | 4 | 72 | 4 | 30 | 60 | 100 | 300 | 100 | 10 | 25 | 20 | 554 |
| " | " | 364 | 364 | 4 | 132 | 4 | 30 | 60 | 60 | 200 | 75 | 15 | 15 | 145 | 586 |
| Peoria | " | 672 | 672 | 5 | 35 | 5 | 35 | 104 | 25 | 200 | 80 | 15 | 5 | 5 | 554 |
| Rock Island | Eng. | 528 | 528 | 5 | 44 | 5 | 44 | 132 | 35 | 210 | 65 | 10 | 150 | 150 | 735 |
| " | " | 720 | 720 | 4 | 96 | 4 | 40 | 60 | 30 | 200 | 75 | 15 | 150 | 150 | 735 |
| Sterling | Irish | 525 | 525 | 6 | 45 | 6 | 45 | 100 | 25 | 200 | 65 | 10 | 150 | 150 | 735 |
| Urbana | Am. | 540 | 540 | 8 | 56 | 8 | 56 | 100 | 25 | 200 | 65 | 10 | 150 | 150 | 735 |
| Totals | 46 | \$29,330 | \$2,584 | \$52,162 | \$1,367 | 196 | \$2,370 | \$1,367 | \$3,255 | \$9,726 | \$3,792 | \$1,113 | \$1,582 | \$1,611 | \$27,637 |
| Averages | | 637.60 | | 699.17 | 4.26 | 4.51 | 118.50 | 40.59 | 70.76 | 211.43 | 82.45 | 30.08 | 45.62 | 10.06 | 600.80 |
| | | | | | | | | | | | | | | | 135.200 |

BRICKMAKERS.

| | | | | | | | | | | | | | | | | | | |
|----------|---------|-------|---------|-----|-----|-------|-------|-------|--------|-------|-------|-------|------|-----|-------|------|---------|-------|
| Eng | 444 | 111 | 555 | 6 | 4 | \$2 | \$25 | \$85 | \$190 | \$40 | \$32 | \$15 | \$5 | | \$16 | \$40 | \$510 | \$45 |
| Alton | 488 | 408 | 3 | 2 | 72 | 25 | 280 | 150 | 280 | 150 | 40 | 40 | 18 | 18 | 18 | 510 | 442 | |
| Chicago | 288 | 80 | 388 | 6 | 6 | 45 | 75 | 120 | 50 | 60 | 60 | 100 | 50 | 50 | 13 | 408 | 35 | |
| Freeport | 622 | 622 | 3 | 4 | 96 | 85 | 85 | 110 | 90 | 20 | 100 | 100 | 10 | 10 | 25 | 551 | 71 | |
| Am. | 262 | 45 | 397 | 3 | 7 | 20 | 25 | 144 | 16 | | | | | | 25 | 235 | 72 | |
| Pekin | | | | | | | | | | | | | | | | | | |
| Totals | \$2,084 | \$191 | \$2,320 | 21 | 23 | \$240 | \$150 | \$220 | \$824 | \$346 | \$102 | \$155 | \$15 | \$3 | \$84 | \$70 | \$2,209 | \$188 |
| Averages | 416.80 | | 464 | 4.2 | 4.6 | 80 | 30 | 55 | 164.80 | 69.20 | 34 | 51.66 | 3 | | 16.80 | 14 | 441.80 | 37.38 |

BRIDGE BUILDERS.

| PLACE. | Nationality | ANNUAL EARNINGS OF— | | | Total earnings | Number in family. | Number of rooms occupied. | ANNUAL EXPENDITURES FOR— | | | | | | | | | | Total expenses | Surplus | Debt |
|-----------------|-------------|---------------------|------|----------|----------------|-------------------|---------------------------|--------------------------|-------|-------|-----------|----------|-----------------|-----------|-------|----------------|--------------|----------------|----------|---------|
| | | Husband | Wife | Children | | | | Rent | Fuel | Meat | Groceries | Clothing | Boots and shoes | Dry goods | Books | Life insurance | Trade unions | Sickness | Sundries | |
| East St. Louis. | Am. | \$1,080 | | | \$1,080 | 5 | 5 | | \$12 | \$45 | \$240 | \$125 | \$25 | \$50 | \$25 | \$3 | | \$15 | \$25 | \$500 |
| High. | Scot. | 780 | | | 1,180 | 6 | 6 | | 32 | 150 | 200 | 130 | 45 | 120 | 10 | | | 15 | 15 | 850 |
| Peoria. | Am. | 780 | | | 780 | 3 | 3 | | 30 | 65 | 175 | 90 | 15 | 15 | | | | 75 | 25 | 850 |
| Rock Island. | Am. | 600 | | | 600 | 2 | 2 | \$48 | 30 | 75 | 150 | 75 | 15 | 6 | 10 | | | 100 | 50 | 150 |
| | | 525 | | | 525 | 4 | 4 | 72 | 30 | 75 | 200 | 50 | 25 | 7 | 5 | | | 100 | 25 | 664 |
| Totals | 5 | \$3,087 | | | \$4,087 | 21 | 19 | \$120 | \$167 | \$315 | \$1,025 | \$470 | \$130 | \$198 | \$50 | \$3 | | \$190 | \$140 | \$2,818 |
| Averages | | 787 40 | | | 817 40 | 4 2 | 4 8 | 60 | 83 40 | 78 75 | 205 | 94 | 26 | 39 60 | 10 | | | 18 | 28 | 562 60 |

BRIDGE TENDERS.

| PLACE. | Nationality | ANNUAL EARNINGS OF— | | | Total earnings | Number in family. | Number of rooms occupied. | ANNUAL EXPENDITURES FOR— | | | | | | | | | | Total expenses | Surplus | Debt |
|----------|-------------|---------------------|------|----------|----------------|-------------------|---------------------------|--------------------------|------|-------|-----------|----------|-----------------|-----------|-------|----------------|--------------|----------------|----------|---------|
| | | Husband | Wife | Children | | | | Rent | Fuel | Meat | Groceries | Clothing | Boots and shoes | Dry goods | Books | Life insurance | Trade unions | Sickness | Sundries | |
| Peoria. | Irish | \$540 | | | \$1,020 | 6 | 6 | | \$60 | | \$225 | \$70 | \$25 | \$25 | \$15 | | | \$25 | \$50 | \$435 |
| | | 540 | | | 540 | 5 | 4 | | 48 | \$109 | 216 | 30 | 40 | 60 | 12 | | | | | 515 |
| Totals | 2 | \$1,080 | | | \$1,560 | 11 | 10 | | \$98 | \$109 | \$441 | \$100 | \$65 | \$35 | \$27 | | | \$25 | \$50 | \$1,000 |
| Averages | | 540 | | | 780 | 5 5 | 5 | | 49 | 54 50 | 220 50 | 50 | 32 50 | 42 50 | 13 50 | | | 12 50 | 25 | 500 |

BROOM MAKERS.

| PLACE. | Nationality | ANNUAL EARNINGS OF— | | | Total earnings | Number in family. | Number of rooms occupied. | ANNUAL EXPENDITURES FOR— | | | | | | | | | | Total expenses | Surplus | Debt |
|------------|-------------|---------------------|------|----------|----------------|-------------------|---------------------------|--------------------------|-------|-------|-----------|----------|-----------------|-----------|-------|----------------|--------------|----------------|----------|---------|
| | | Husband | Wife | Children | | | | Rent | Fuel | Meat | Groceries | Clothing | Boots and shoes | Dry goods | Books | Life insurance | Trade unions | Sickness | Sundries | |
| Danville. | Am. | \$500 | | | \$500 | 2 | 2 | \$72 | \$50 | | \$140 | \$40 | | \$50 | \$6 | | | \$10 | | \$388 |
| Galesburg. | | 525 | | | 525 | 2 | 4 | 96 | 28 | \$90 | 115 | 80 | 20 | 45 | 6 | \$20 | | | \$25 | 465 |
| Mattoon. | | 780 | | | 780 | 3 | 4 | | 30 | 55 | 105 | 30 | | | 4 | | | | | 224 |
| Totals | 3 | \$1,805 | | | \$1,805 | 7 | 10 | \$168 | \$108 | \$86 | \$360 | \$150 | \$20 | \$95 | \$16 | \$20 | | \$10 | \$25 | \$1,057 |
| Averages | | 601 66 | | | 601 66 | 2 33 | 3 33 | 84 | 36 | 42 50 | 120 | 50 | 20 | 47 50 | 5 33 | | | 3 33 | 8 33 | 352 33 |

BURNISHER.

| Aurora..... | Am..... | \$450 | \$1,296 | \$395 | \$2,111 | 5 | 8 | \$228 | \$118 | \$360 | \$900 | \$60 | \$23 | \$10 | \$5 | \$20 | \$75 | \$1,829 | \$232 |
|-------------|---------|-------|---------|-------|---------|---|---|-------|-------|-------|-------|------|------|------|-----|------|------|---------|-------|
|-------------|---------|-------|---------|-------|---------|---|---|-------|-------|-------|-------|------|------|------|-----|------|------|---------|-------|

BUTCHERS.

| | | | | | | | | | | | | | | | | | | | | |
|---------------------|-------------|----------|----------|------|------|--------|---------|-------|--------|---------|---------|-------|-------|-------|-------|-------|-------|---------|----------|---------|
| Carlville..... | Am..... | \$500 | 245 | 7 | 3 | 3 | \$40 | \$50 | \$250 | \$25 | 100 | \$25 | \$25 | \$25 | \$25 | \$50 | \$35 | \$500 | ..... |  |
| Ger..... | ..... | 100 | 200 | 8 | 4 | 2 | 15 | 20 | 125 | 100 | 40 | ..... | ..... | ..... | ..... | ..... | 6 | 245 | ..... |  |
| Centralla..... | Am..... | 600 | 600 | 4 | 6 | 6 | \$36 | 30 | 120 | 50 | 20 | 75 | ..... | ..... | ..... | ..... | 25 | 196 | \$4 | |
| Chicago..... | Scotch..... | 378 | 378 | 2 | 3 | 3 | 84 | 24 | 120 | 150 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 447 | 153 | |
| .. | Bohemian | 480 | 480 | 7 | 4 | 4 | 144 | 17 | 220 | 75 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 453 | ..... |  |
| .. | Ger..... | 480 | 480 | 5 | 3 | 3 | 120 | 15 | 150 | 75 | ..... | ..... | ..... | ..... | ..... | ..... | 13 | 480 | \$55 | |
| .. | Scot. | 420 | 420 | 4 | 3 | 3 | 72 | 12 | 30 | 30 | ..... | ..... | ..... | ..... | ..... | ..... | 10 | 107 | ..... |  |
| .. | Ger..... | 600 | 600 | 7 | 4 | 4 | 156 | 17 | 384 | 107 | ..... | ..... | ..... | ..... | ..... | ..... | 50 | 420 | ..... |  |
| .. | .. | 480 | 480 | 5 | 3 | 3 | 144 | 12 | 200 | 50 | ..... | ..... | ..... | ..... | ..... | ..... | 10 | 206 | ..... |  |
| .. | Irish | 480 | 480 | 7 | 4 | 4 | 144 | 12 | 192 | 100 | ..... | ..... | ..... | ..... | ..... | ..... | 8 | 75 | ..... |  |
| .. | .. | 480 | 480 | 5 | 3 | 3 | 96 | 15 | 100 | 100 | ..... | ..... | ..... | ..... | ..... | ..... | 42 | 495 | ..... |  |
| .. | .. | 480 | 480 | 8 | 4 | 4 | 144 | 15 | 100 | 126 | ..... | ..... | ..... | ..... | ..... | ..... | 15 | 740 | 140 | |
| East St. Louis..... | Scot. | 624 | 624 | 5 | 3 | 3 | 120 | 20 | 100 | 30 | 20 | 80 | ..... | ..... | ..... | ..... | 40 | 29 | ..... |  |
| .. | Eng. | 692 | 692 | 5 | 3 | 3 | 144 | 25 | 75 | 15 | 22 | 30 | ..... | ..... | ..... | ..... | 40 | 50 | ..... |  |
| .. | .. | 702 | 702 | 7 | 3 | 3 | 96 | 30 | 80 | 160 | 20 | 30 | ..... | ..... | ..... | ..... | 25 | 75 | ..... |  |
| Galena..... | Ger..... | 192 | 192 | 5 | 3 | 3 | 28 | 25 | 100 | 250 | 40 | 20 | ..... | ..... | ..... | ..... | 20 | 60 | ..... |  |
| .. | Am..... | 550 | 550 | 7 | 5 | 5 | 48 | 40 | 180 | 75 | ..... | ..... | ..... | ..... | ..... | ..... | 20 | 616 | ..... |  |
| Galesburg..... | Scot. | 600 | 600 | 4 | 6 | 6 | 35 | 35 | 160 | 115 | ..... | ..... | ..... | ..... | ..... | ..... | 30 | 200 | ..... |  |
| Jacksonville..... | Am..... | 540 | 540 | 4 | 4 | 4 | 120 | 30 | 150 | 150 | ..... | ..... | ..... | ..... | ..... | ..... | 44 | 500 | ..... |  |
| Joliet..... | Ger..... | 480 | 480 | 2 | 3 | 3 | 72 | 39 | 150 | 65 | 35 | 80 | ..... | ..... | ..... | ..... | 20 | 45 | ..... |  |
| Moline..... | Am..... | 720 | 720 | 5 | 4 | 4 | 35 | 50 | 160 | 15 | 10 | 7 | ..... | ..... | ..... | ..... | 20 | 50 | ..... |  |
| Peoria..... | Ger..... | 450 | 450 | 5 | 4 | 4 | 35 | 50 | 250 | 65 | 20 | 70 | ..... | ..... | ..... | ..... | 10 | 20 | ..... |  |
| .. | .. | 572 | 572 | 3 | 4 | 4 | ..... | ..... | 180 | 80 | ..... | ..... | ..... | ..... | ..... | ..... | 50 | 467 | ..... |  |
| Pontiac..... | Am..... | 1,020 | 1,020 | 2 | 7 | 7 | 60 | 40 | 175 | 85 | ..... | ..... | ..... | ..... | ..... | ..... | 50 | 360 | ..... |  |
| .. | Swiss..... | 432 | 432 | 11 | 5 | 5 | 96 | 1.0 | 300 | 40 | 28 | 75 | ..... | ..... | ..... | ..... | 50 | 369 | ..... |  |
| Sterling..... | Am..... | 600 | 600 | 5 | 5 | 5 | 96 | 75 | 100 | 75 | 60 | 60 | ..... | ..... | ..... | ..... | 10 | 578 | ..... |  |
| Totals..... | 27 | \$13,897 | \$15,074 | 137 | 106 | 106 | \$1,956 | \$749 | \$645 | \$4,556 | \$2,015 | \$298 | \$454 | \$129 | \$55 | \$12 | \$505 | \$1,317 | \$12,691 | \$2,604 |
| Averages..... | | 514 70 | 558 30 | 5 07 | 3 92 | 108 66 | 27 74 | 71 66 | 168 74 | 74 63 | 27 09 | 41 27 | 4 77 | | | | 18 70 | 48 74 | 469 92 | 153 55 |

CABINET MAKERS.

| PLACE. | Nationality | ANNUAL EARN- INGS OF— | | | ANNUAL EXPENDITURES FOR— | | | | | | | | | | | | Total expenses | Surplus | Debt |
|-----------|-------------|--------------------------|-------|----------|--------------------------|-------|-------|-----------|----------|-----------------|-----------|-------|---------------------|--------------|----------|----------|----------------|---------|------|
| | | Husband | Wife | Children | Rent | Fuel | Meat | Groceries | Clothing | Boots and shoes | Dry goods | Books | Life insur- ance | Trade unions | Sickness | Sundries | | | |
| Aurora | Am. | \$562 | | | | \$60 | \$85 | \$75 | \$45 | \$20 | \$40 | \$24 | 9 | 10 | \$30 | \$70 | \$429 | \$138 | |
| " | Ger. | 690 | | | | 60 | 60 | 150 | 25 | 12 | 50 | 15 | 18 | 10 | 20 | 50 | 474 | 216 | |
| Champaign | Am. | 420 | | | | 28 | | 180 | 100 | 20 | 75 | 3 | | | 35 | 50 | 519 | 100 | |
| Chicago | Ger. | 420 | | \$125 | \$46 | 38 | | 210 | 100 | 20 | | 12 | | | 5 | 65 | 417 | 101 | |
| " | " | 702 | | | 84 | 35 | 91 | 105 | 50 | 20 | 10 | 8 | | 12 | 50 | 75 | 676 | 101 | |
| " | Seam. | 375 | \$250 | | 120 | 30 | | 260 | 75 | 15 | 25 | 10 | | | 36 | 43 | 625 | 126 | |
| Galena | Ger. | 386 | | | 60 | 30 | | 90 | 60 | | | 4 | | | 8 | 69 | 346 | 46 | \$18 |
| " | " | 238 | | | | 30 | 48 | 144 | 75 | | | 3 | | | | 66 | 570 | 44 | |
| " | " | 204 | | 150 | | 26 | 56 | 160 | 150 | | | 2 | | | 10 | 82 | 500 | 124 | |
| " | " | 324 | | | | 36 | 60 | 160 | 60 | 25 | 25 | 5 | | | 8 | 331 | | | |
| Joliet | Irish | 156 | | 175 | | 30 | 50 | 190 | 50 | 25 | 50 | 10 | 15 | | 12 | 12 | 614 | 20 | |
| " | Am. | 624 | | | 180 | 50 | 50 | 185 | 50 | 25 | 50 | 10 | 15 | | 25 | 50 | 520 | 176 | |
| " | " | 696 | | | | 50 | 60 | 200 | 40 | 40 | 25 | 5 | | | 10 | 5 | 450 | 50 | |
| Sterling | Seam. | 480 | | 20 | | 50 | 75 | 200 | 40 | 40 | | | | | | | | | |
| Totals | 15 | \$5,992 | \$250 | \$794 | \$564 | \$603 | \$775 | \$2,391 | \$975 | \$202 | \$350 | \$123 | \$70 | \$22 | \$241 | \$730 | \$6,962 | \$1,119 | \$98 |
| Averages | | 466 13 | | | 94 00 | 40 20 | 61 36 | 169 40 | 65 00 | 22 44 | 38 88 | 8 20 | | | 16 07 | 48 70 | 463 46 | 101 | 19 |

CAGER.

| Streator..... | Am..... | \$755 | \$360 | \$1,115 | 6 | 5 | \$70 | \$96 | \$300 | \$175 | \$60 | \$12 | \$6 | \$8 | \$45 | \$96 | \$868 | \$247 | |
|---------------|---------|-------|-------|---------|---|---|------|------|-------|-------|------|------|-----|-----|------|------|-------|-------|--|
|---------------|---------|-------|-------|---------|---|---|------|------|-------|-------|------|------|-----|-----|------|------|-------|-------|--|

CALCIMINER.

| Centralla | Colored... | \$108 | | \$168 | 2 | 3 | \$35 | \$25 | \$210 | \$75 | \$15 | \$25 | \$10 | | \$15 | \$30 | \$440 | \$28 | |
|-----------------|------------|-------|--|-------|---|---|------|------|-------|------|------|------|------|--|------|------|-------|------|--|
|-----------------|------------|-------|--|-------|---|---|------|------|-------|------|------|------|------|--|------|------|-------|------|--|

CALLER.

| | | | | | | | | | | | | | | | | | | | |
|---|-------------|-----------|-------|-------|-------|---|---|-------|------|------|------|------|------|-------|------|-------|-------|-------|------|
| 1 | Aurora..... | Welch.... | \$468 | | \$468 | 2 | 6 | | \$60 | \$84 | \$20 | \$25 | \$50 | | \$20 | | \$499 | | \$31 |
|---|-------------|-----------|-------|-------|-------|---|---|-------|------|------|------|------|------|-------|------|-------|-------|-------|------|

CAR BUILDERS.

| | Eng. | Am. | Irish. | Am. | Totals. | Averages. |
|-----------|------|------|--------|------|---------|-----------|
| Eng. | 6880 | 5011 | 4100 | 5400 | 22,494 | 496 80 |
| Am. | 504 | 450 | 410 | 540 | 2,534 | 508 80 |
| Chicago. | 410 | 450 | 410 | 540 | 2,534 | 508 80 |
| Irish. | 410 | 450 | 410 | 540 | 2,534 | 508 80 |
| Am. | 504 | 450 | 410 | 540 | 2,534 | 508 80 |
| Totals. | 6880 | 5011 | 4100 | 5400 | 22,494 | 496 80 |
| Averages. | 6880 | 5011 | 4100 | 5400 | 22,494 | 496 80 |

CAR INSPECTORS.

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---------------------|-----|---------|---------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| East St. Louis..... | Am. | 700 | 750 | 800 | 850 | 900 | 950 | 1000 | 1050 | 1100 | 1150 | 1200 | 1250 | 1300 | 1350 | 1400 | 1450 | 1500 | 1550 | 1600 | 1650 | 1700 | 1750 | 1800 | 1850 | 1900 | 1950 | 2000 | 2050 | 2100 | 2150 | 2200 | 2250 | 2300 | 2350 | 2400 | 2450 | 2500 | 2550 | 2600 | 2650 | 2700 | 2750 | 2800 | 2850 | 2900 | 2950 | 3000 | 3050 | 3100 | 3150 | 3200 | 3250 | 3300 | 3350 | 3400 | 3450 | 3500 | 3550 | 3600 | 3650 | 3700 | 3750 | 3800 | 3850 | 3900 | 3950 | 4000 | 4050 | 4100 | 4150 | 4200 | 4250 | 4300 | 4350 | 4400 | 4450 | 4500 | 4550 | 4600 | 4650 | 4700 | 4750 | 4800 | 4850 | 4900 | 4950 | 5000 | 5050 | 5100 | 5150 | 5200 | 5250 | 5300 | 5350 | 5400 | 5450 | 5500 | 5550 | 5600 | 5650 | 5700 | 5750 | 5800 | 5850 | 5900 | 5950 | 6000 | 6050 | 6100 | 6150 | 6200 | 6250 | 6300 | 6350 | 6400 | 6450 | 6500 | 6550 | 6600 | 6650 | 6700 | 6750 | 6800 | 6850 | 6900 | 6950 | 7000 | 7050 | 7100 | 7150 | 7200 | 7250 | 7300 | 7350 | 7400 | 7450 | 7500 | 7550 | 7600 | 7650 | 7700 | 7750 | 7800 | 7850 | 7900 | 7950 | 8000 | 8050 | 8100 | 8150 | 8200 | 8250 | 8300 | 8350 | 8400 | 8450 | 8500 | 8550 | 8600 | 8650 | 8700 | 8750 | 8800 | 8850 | 8900 | 8950 | 9000 | 9050 | 9100 | 9150 | 9200 | 9250 | 9300 | 9350 | 9400 | 9450 | 9500 | 9550 | 9600 | 9650 | 9700 | 9750 | 9800 | 9850 | 9900 | 9950 | 10000 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Arbana..... | Am. | 700 | 750 | 800 | 850 | 900 | 950 | 1000 | 1050 | 1100 | 1150 | 1200 | 1250 | 1300 | 1350 | 1400 | 1450 | 1500 | 1550 | 1600 | 1650 | 1700 | 1750 | 1800 | 1850 | 1900 | 1950 | 2000 | 2050 | 2100 | 2150 | 2200 | 2250 | 2300 | 2350 | 2400 | 2450 | 2500 | 2550 | 2600 | 2650 | 2700 | 2750 | 2800 | 2850 | 2900 | 2950 | 3000 | 3050 | 3100 | 3150 | 3200 | 3250 | 3300 | 3350 | 3400 | 3450 | 3500 | 3550 | 3600 | 3650 | 3700 | 3750 | 3800 | 3850 | 3900 | 3950 | 4000 | 4050 | 4100 | 4150 | 4200 | 4250 | 4300 | 4350 | 4400 | 4450 | 4500 | 4550 | 4600 | 4650 | 4700 | 4750 | 4800 | 4850 | 4900 | 4950 | 5000 | 5050 | 5100 | 5150 | 5200 | 5250 | 5300 | 5350 | 5400 | 5450 | 5500 | 5550 | 5600 | 5650 | 5700 | 5750 | 5800 | 5850 | 5900 | 5950 | 6000 | 6050 | 6100 | 6150 | 6200 | 6250 | 6300 | 6350 | 6400 | 6450 | 6500 | 6550 | 6600 | 6650 | 6700 | 6750 | 6800 | 6850 | 6900 | 6950 | 7000 | 7050 | 7100 | 7150 | 7200 | 7250 | 7300 | 7350 | 7400 | 7450 | 7500 | 7550 | 7600 | 7650 | 7700 | 7750 | 7800 | 7850 | 7900 | 7950 | 8000 | 8050 | 8100 | 8150 | 8200 | 8250 | 8300 | 8350 | 8400 | 8450 | 8500 | 8550 | 8600 | 8650 | 8700 | 8750 | 8800 | 8850 | 8900 | 8950 | 9000 | 9050 | 9100 | 9150 | 9200 | 9250 | 9300 | 9350 | 9400 | 9450 | 9500 | 9550 | 9600 | 9650 | 9700 | 9750 | 9800 | 9850 | 9900 | 9950 | 10000 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Totals..... | 6 | \$3,691 | \$4,150 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

CAR PAINTERS.

| | Air | \$135 575 | ..... | \$135 575 | ..... | 6 3 | 90 90 | \$30 28 | \$30 | \$170 140 | \$100 50 | ..... | \$5 8 | ..... | \$30 10 | \$14 40 | \$165 352 | \$20 225 |
|--------------|-----|--------------|-------|--------------|-------|--------|----------|------------|---------------|--------------|-------------|-------|----------|-------|------------|------------|--------------|-------------|
| Chicago.... | | | | | | | | | | | | | | | | | | |
| Galesburg.. | | | | | | | | | | | | | | | | | | |
| Totals..... | 2 | \$1,010 | ..... | \$1,010 | ..... | 9 | \$102 | \$58 | \$30 | \$310 | \$180 | ..... | \$13 | ..... | \$30 | \$84 | \$1,007 | \$23 |
| Averages.... | | 505 | ..... | 505 | ..... | 4.5 | 96 | 29 | ..... | 155 | 90 | ..... | 6 | 50 | 15 | 42 | 503 | 50 |

CAR REPAIRERS.

| PLACE. | Nationality..... | ANNUAL EARN- INGS OF— | | | ANNUAL EXPENDITURES FOR— | | | | | | | | | | | Total expenses.... | Surplus..... | Debt..... | |
|---------------------|------------------|--------------------------|------------|-------------|--------------------------|-----------|-----------|---------------|---------------|-------------------------|-------------|------------|--------------------------|--------------|---------------|--------------------|--------------|-----------|---------------|
| | | Husband .. | Wife | Children .. | Rent..... | Fuel..... | Meat..... | Groceries ... | Clothing | Boots and shoes..... | Dry goods.. | Books..... | Life insur- ance..... | Trade unions | Sickness | | | | Bundries |
| Alton..... | Am..... | \$720 | ..... | ..... | ..... | \$24 | \$80 | \$250 | \$50 | \$25 | \$30 | \$8 | ..... | ..... | \$40 | \$20 | \$527 | \$193 | ..... |
| Scotch..... | ..... | 750 | ..... | ..... | ..... | 25 | 80 | 250 | 43 | 35 | 37 | 15 | ..... | ..... | 46 | 53 | 583 | 187 | ..... |
| Aurora..... | Am..... | 986 | ..... | ..... | ..... | 50 | 48 | 120 | 50 | 12 | 20 | 10 | ..... | ..... | 15 | 5 | 482 | ..... | ..... |
| ..... | ..... | 575 | ..... | ..... | ..... | 50 | 60 | 150 | 18 | 15 | 25 | 10 | ..... | ..... | 5 | 10 | 490 | 77 | ..... |
| Champaign..... | ..... | 420 | ..... | ..... | ..... | 36 | 60 | 200 | 26 | 35 | 55 | 10 | \$24 | ..... | ..... | 43 | 428 | ..... | 8 |
| East St. Louis..... | Irish..... | 460 | ..... | ..... | ..... | 17 | 60 | 150 | 30 | 12 | 30 | 6 | ..... | ..... | ..... | 10 | 399 | 61 | ..... |
| Peoria..... | ..... | 982 | ..... | ..... | ..... | 40 | 75 | 210 | 60 | 35 | 25 | 15 | ..... | ..... | 25 | 50 | 465 | 516 | ..... |
| Rock Island..... | ..... | 720 | ..... | ..... | ..... | 45 | 75 | 240 | 65 | 18 | 7 | 10 | ..... | ..... | 10 | 10 | 450 | 240 | ..... |
| Totals..... | 8 | \$4,498 | ..... | \$546 | \$405 | \$287 | \$403 | \$1,585 | \$311 | \$187 | \$229 | \$74 | \$24 | ..... | \$141 | \$201 | \$3,874 | \$1,274 | \$104 |
| Averages ..... | ..... | 562.50 | ..... | ..... | 131 | 35 | 67.21 | 198.12 | 42.62 | 23.37 | 28.62 | 9.25 | ..... | ..... | 17.62 | 25.12 | 484.25 | 212 | 52 |

CARPENTERS.

| Eng. | \$25 | \$50 | \$75 | 10 | 7 | \$96 | \$90 | \$100 | \$120 | \$15 | \$70 | \$35 | \$10 | \$23 | | \$799 | \$76 |
|------------------|-------|-------|-------|----|---|------|------|-------|-------|------|-------|-------|------|-------|-----|-------|-------|
| Alton..... | 853 | 419 | 419 | 7 | 4 | 60 | 25 | 80 | 140 | 50 | 25 | 15 | 3 | ..... | 20 | 873 | 40 |
| Ger..... | 750 | 280 | 1,080 | 6 | 4 | 60 | 60 | 125 | 155 | 40 | 25 | 10 | 5 | ..... | 150 | 511 | \$116 |
| Eng..... | 480 | 480 | 480 | 5 | 4 | 60 | 20 | 84 | 200 | 40 | 40 | 50 | 25 | ..... | 250 | 1,070 | 10 |
| Scotch..... | 420 | 480 | 480 | 5 | 9 | 64 | 20 | 60 | 120 | 18 | 10 | 45 | 2 | ..... | 15 | 404 | 14 |
| Aurora..... | 713 | 420 | 420 | 6 | 8 | 84 | 52 | 60 | 120 | 18 | 10 | 45 | 2 | ..... | 75 | 425 | 6 |
| ..... | 381 | 381 | 381 | 6 | 7 | 81 | 82 | 60 | 175 | 30 | 30 | 45 | 15 | ..... | 25 | 573 | 140 |
| ..... | 480 | 480 | 480 | 5 | 5 | 81 | 48 | 46 | 150 | 30 | 19 | 60 | 12 | ..... | 40 | 389 | 385 |
| ..... | 480 | 480 | 480 | 6 | 6 | 81 | 60 | 60 | 96 | 40 | 20 | 50 | 5 | ..... | 20 | 481 | 4 |
| ..... | 480 | 480 | 480 | 8 | 9 | 91 | 55 | 96 | 300 | 55 | 40 | 150 | 18 | ..... | 40 | 435 | 45 |
| ..... | 618 | 281 | 480 | 8 | 9 | 141 | 55 | 96 | 300 | 912 | 388 | 35 | 10 | ..... | 116 | 920 | 9 |
| Scotch..... | 655 | 300 | 855 | 7 | 9 | 141 | 65 | 45 | 180 | 912 | 388 | 35 | 10 | ..... | 10 | 704 | 151 |
| Am..... | 600 | 182 | 801 | 6 | 9 | 96 | 60 | 50 | 160 | 50 | 30 | 75 | 15 | ..... | 20 | 491 | 106 |
| Belleville..... | 701 | 182 | 801 | 8 | 8 | 96 | 60 | 70 | 180 | 100 | 35 | 80 | 20 | ..... | 10 | 605 | 243 |
| Bloomington..... | 702 | 600 | 702 | 7 | 4 | 96 | 20 | 20 | 73 | 146 | 25 | 30 | 7 | ..... | 50 | 477 | 225 |
| ..... | 600 | 600 | 600 | 2 | 3 | 72 | 25 | 25 | 150 | 25 | 10 | 25 | 5 | ..... | 5 | 324 | 108 |
| ..... | 600 | 600 | 600 | 4 | 4 | 72 | 27 | 60 | 160 | 25 | 20 | 20 | 2 | ..... | 10 | 324 | 276 |
| ..... | 1,218 | 1,218 | 1,218 | 8 | 6 | 60 | 40 | 60 | 220 | 175 | 20 | 20 | 15 | ..... | 25 | 665 | 663 |
| Champaign..... | 620 | 520 | 1,280 | 4 | 7 | 60 | 60 | ..... | 305 | 87 | ..... | ..... | 8 | ..... | 32 | 493 | 29 |

EARNINGS AND EXPENSES.

[illegible]

Carpenters—Continued.

| PLACE. | Nationality | ANNUAL EARNINGS OF— | | | ANNUAL EXPENDITURES FOR— | | | | | | | | | | | | Total expenses | Surplus | Debt |
|--------------------|-------------|---------------------|-----------|-------------|--------------------------|-----------|-----------|--------------|--------------|---------------------|-------------|------------|---------------------|--------------|--------------|--------------|----------------|---------|------|
| | | Husband.. | Wife..... | Children... | Rent..... | Fuel..... | Meat..... | Groceries... | Clothing.... | Boots and shoes.... | Dry goods.. | Books..... | Life insurance..... | Trade unions | Sickness.... | Sundries.... | | | |
| Joliet..... | Am..... | \$624 | | | \$108 | \$15 | \$75 | \$206 | \$18 | \$22 | \$25 | \$12 | | | \$30 | \$125 | \$571 | \$17 | |
| Mattison..... | Scot..... | 762 | | | 96 | 30 | 62 | 150 | 50 | 15 | 10 | 8 | | | 35 | 12 | 391 | 418 | |
| " | Am..... | 720 | | | 72 | 30 | 78 | 51 | 50 | 20 | | 11 | | | 25 | 23 | 418 | 158 | |
| " | " | 628 | | | 72 | 40 | 156 | 200 | 150 | 35 | | 8 | | | 10 | 113 | 331 | 300 | |
| " | " | 926 | | | | 40 | 75 | 141 | 150 | 40 | 10 | 10 | | | 7 | 20 | 411 | 624 | |
| " | " | 600 | \$350 | | | 90 | 75 | 120 | 75 | 10 | | 7 | | | 40 | | 244 | 515 | |
| " | " | 600 | | | | 90 | 75 | 120 | 125 | 45 | 35 | 15 | | | 40 | 40 | 290 | 752 | |
| Moline..... | Ger..... | 1,482 | | | 72 | 25 | 30 | 300 | 150 | 12 | | 6 | | | | 50 | 320 | 250 | |
| " | Am..... | 840 | | | 132 | 50 | 75 | 310 | 150 | 40 | 10 | 10 | | | | 10 | 320 | 80 | |
| " | " | 600 | 190 | | 96 | 35 | 65 | 200 | 150 | 30 | 15 | 10 | | | | 25 | 390 | 112 | |
| " | " | 415 | \$25 | | 72 | 35 | 75 | 140 | 75 | 40 | 5 | 6 | | | | 35 | 577 | 190 | |
| " | " | 440 | | | 96 | 30 | 55 | 115 | 50 | 15 | 5 | 5 | | | | 50 | 519 | 68 | |
| " | Scot..... | 415 | 140 | | | 30 | 75 | 200 | 100 | 18 | 8 | 5 | | | | 10 | 558 | 131 | |
| " | Ger..... | 420 | | | 60 | 30 | 60 | 150 | 75 | 35 | 4 | 5 | | | | 5 | 600 | 86 | |
| Mt. Pleasant..... | Scot..... | 540 | | | 81 | 20 | 60 | 230 | 80 | 30 | | | | | | 15 | 481 | 179 | |
| " | Am..... | 350 | | | 96 | 20 | 40 | 120 | 70 | 30 | 20 | 5 | | | | 10 | 298 | 182 | |
| Peoria..... | Am..... | 640 | 100 | | 96 | 18 | 35 | 101 | 125 | 15 | 50 | 5 | | | | 10 | 490 | 177 | |
| " | Ger..... | 480 | | | 120 | 12 | 60 | 130 | 90 | 30 | 20 | 5 | | | | 10 | 362 | 118 | |
| " | Am..... | 575 | | | 96 | 30 | 70 | 150 | 35 | 60 | 25 | 8 | | | | 8 | 448 | 16 | |
| " | " | 480 | | | 96 | 30 | 65 | 250 | 60 | 40 | 20 | 10 | | | | 4 | 491 | 20 | |
| " | Ger..... | 540 | | | 48 | 24 | | 150 | 90 | 44 | 20 | 10 | | | | 10 | 490 | 20 | |
| " | Am..... | 1,200 | 480 | | 48 | 36 | 190 | 216 | 90 | 40 | 35 | 5 | | | | 50 | 520 | 500 | |
| Peoria county..... | Scot..... | 1,195 | | | 108 | 16 | 50 | 130 | 60 | 30 | 44 | 8 | | | | 50 | 352 | 13 | |
| " | " | 480 | | | 96 | 18 | 60 | 180 | 50 | 25 | 15 | 5 | | | | 75 | 352 | 267 | |
| " | Am..... | 586 | | | 108 | 20 | 60 | 180 | 150 | 25 | 15 | 10 | | | | 10 | 430 | 9 | |
| " | Can..... | 600 | | | | 24 | 40 | 150 | 60 | 40 | 60 | 5 | | | | 10 | 390 | 96 | |
| Pontiac..... | Am..... | 850 | | | 45 | 45 | 45 | 180 | 30 | 30 | 100 | 20 | | | | 10 | 419 | 181 | |
| " | " | 750 | | | 45 | 40 | 40 | 160 | 30 | 20 | 65 | 8 | | | | 15 | 453 | 347 | |
| " | " | 680 | | | 45 | 40 | 45 | 240 | 40 | 25 | 125 | 5 | | | | 25 | 383 | 367 | |
| Rock Island..... | Ger..... | 430 | | | 66 | 21 | 75 | 250 | 200 | 14 | 10 | 5 | | | | 20 | 325 | 85 | |
| " | " | 350 | | | 66 | 21 | 60 | 192 | 15 | 14 | 10 | 5 | | | | 10 | 340 | 210 | |
| " | Am..... | 540 | | | 72 | 35 | 60 | 150 | 100 | 15 | 7 | 8 | | | | 25 | 356 | 45 | |

Carriage Painters—Continued.

| PLACE. | Nationality | ANNUAL EARN- INGS OF— | | | ANNUAL EXPENDITURES FOR— | | | | | | | | | | | Total expenses.... | Surplus..... | Debt..... | | | | | |
|--------------------|-------------------|--------------------------|------------|-------------|--------------------------|-----------|------------|---------------|---------------|-------------------------|--------------|------------|--------------------------|--------------|---------------|--------------------|--------------|-----------|---------------|---------|---------|--|--|
| | | Husband .. | Wife | Children... | Rent..... | Fuel..... | Meat | Groceries.... | Clothing..... | Boots and shoes..... | Dry goods... | Books..... | Life insur- ance..... | Trade unions | Sickness..... | | | | Sundries | | | | |
| Galena..... | Eng..... | \$372 | | \$744 | 6 | 4 | \$1,116 | \$72 | \$80 | \$60 | \$200 | \$200 | | | | | | | \$150 | \$700 | \$116 | | |
| Jacksonville | Am..... | 62 | | | 3 | 4 | 624 | 4 | 25 | 150 | 156 | 156 | | | | | | 25 | 25 | 455 | 109 | | |
| Joliet..... | Irish..... | 550 | | | 6 | 5 | 550 | | 35 | | 175 | 80 | \$10 | | | | | 25 | 10 | 628 | 22 | | |
| Totals..... | 7 | \$4,374 | \$36 | \$744 | 25 | 21 | \$5,154 | \$528 | \$242 | \$405 | \$1,889 | \$380 | \$55 | \$70 | \$89 | | | \$90 | \$400 | \$3,728 | \$1,426 | | |
| Averages.... | | 624 85 | | | 3.357 | 105 60 | 736 28 | 34 67 | \$8 50 | 194 14 | 97 11 | 18 33 | 23 33 | 5 57 | | | | 12 86 | 57 14 | 532 57 | 204 | | |

CARRIAGE TRIMMERS.

| | | | | | | | | | | | | | | | | | | | | | | | |
|--------------------|-------------|---------|--|--|-----|-----|---------|-------|-------|-------|--------|-------|----------|------|------|--|--|------|-------|---------|-------|--|--|
| Alton..... | Ger..... | \$510 | | | 3 | 4 | \$510 | \$90 | \$25 | \$75 | \$120 | \$50 | \$25 | \$25 | \$10 | | | \$10 | \$30 | \$190 | \$50 | | |
| Fulton..... | Irish..... | 675 | | | 3 | 5 | 675 | 84 | 40 | 60 | 255 | 125 | | | | | | 10 | 20 | 580 | 136 | | |
| Jacksonville | Ger..... | 780 | | | 5 | 4 | 780 | 25 | 25 | | 200 | 150 | | | | | | 10 | 2 | 452 | 318 | | |
| Sterling..... | Scotch..... | 525 | | | 5 | 5 | 525 | 72 | 45 | 50 | 100 | 50 | 25 | 30 | 5 | | | 10 | 2 | 363 | 154 | | |
| Totals..... | 4 | \$2,520 | | | 14 | 18 | \$2,520 | \$246 | \$135 | \$185 | \$645 | \$355 | \$50 | \$35 | \$25 | | | \$30 | \$72 | \$1,850 | \$690 | | |
| Averages..... | | 630 | | | 3.5 | 4.5 | 630 | 82 | 33 75 | 61 66 | 161 23 | 91 25 | 25 27 50 | 6 25 | 6 25 | | | 6 | 14 40 | 457 50 | 172 | | |

CATCHER.

| | | | | | | | | | | | | | | | | | | | | | | | | |
|---------------------|------------|---------|--|--|---|---|---------|--|------|------|-------|------|------|------|-----|--|--|--|------|------|-------|-------|--|--|
| East St. Louis..... | Irish..... | \$1,110 | | | 4 | 3 | \$1,110 | | \$50 | \$90 | \$190 | \$50 | \$35 | \$75 | \$5 | | | | \$50 | \$90 | \$625 | \$465 | | |
|---------------------|------------|---------|--|--|---|---|---------|--|------|------|-------|------|------|------|-----|--|--|--|------|------|-------|-------|--|--|

CIGAR MAKERS.

[illegible]

Cigar Makers—Continued.

| PLACE. | Nationality. | ANNUAL EARNINGS OF— | | | ANNUAL EXPENDITURES FOR— | | | | | | | | | | | Total expenses.... | Surplus..... | Debt..... | |
|-------------------|--------------|---------------------|-----------|-------------|--------------------------|-----------|-----------|---------------|--------------|----------------------|--------------|------------|---------------------|--------------|---------------|--------------------|--------------|-----------|---------------|
| | | Husband.. | Wife..... | Children... | Rent..... | Fuel..... | Meat..... | Groceries.... | Clothing.... | Boots and shoes..... | Dry goods... | Books..... | Life insurance..... | Trade unions | Sickness..... | | | | Sundries..... |
| Galena..... | Am. | \$320 | | | \$60 | \$28 | \$36 | \$100 | \$60 | \$15 | \$20 | \$2 | | | \$4 | \$10 | \$300 | \$60 | |
| Galesburg..... | Ger. | 432 | | | 36 | 40 | 30 | 75 | 100 | 25 | 50 | | | | 5 | 9 | 250 | 182 | |
| Jacksonville..... | Am. | 552 | | | 156 | 50 | 60 | 170 | 50 | | | | | | 60 | 15 | 610 | 75 | |
| " | Ger. | 450 | | | 84 | 35 | | 208 | 50 | | | | | | 10 | 25 | 411 | 39 | |
| " | " | 450 | | | 96 | 35 | | 155 | 75 | | | | | | 10 | 25 | 401 | 49 | |
| " | Am. | 450 | | | 72 | 35 | | 160 | 125 | | | | | | 10 | 30 | 469 | 56 | |
| " | " | 525 | | | 96 | 35 | | 182 | 60 | | | | | | 10 | 25 | 392 | 88 | |
| " | Ger. | 480 | | | 78 | 25 | | 200 | 100 | | | | | | 10 | 25 | 385 | 20 | |
| " | Am. | 405 | | | 60 | 30 | | 200 | 75 | | | | | | 10 | 50 | 420 | 12 | |
| " | " | 432 | | | 72 | 35 | | 200 | 50 | | | | | | 10 | 25 | 407 | 179 | |
| " | " | 384 | | | 60 | 40 | | 225 | 100 | | | | | | 10 | 25 | 421 | 115 | |
| " | Ger. | 600 | | | 72 | 30 | | 210 | 100 | | | | | | 10 | 25 | 405 | 57 | |
| " | Am. | 520 | | | 72 | 35 | | 200 | 150 | | | | | | 10 | 50 | 527 | 186 | |
| " | " | 624 | | | 72 | 35 | | 200 | 200 | | | | | | 10 | 50 | 594 | 57 | |
| " | " | 624 | | | 72 | 30 | | 225 | 125 | | | | | | 10 | 50 | 562 | 22 | |
| " | " | 520 | | | 84 | 30 | | 200 | 100 | | | | | | 10 | 40 | 498 | 82 | |
| " | " | 520 | | | 84 | 30 | | 200 | 125 | | | | | | 10 | 40 | 427 | 70 | |
| " | " | 520 | | | 72 | 25 | | 180 | 100 | | | | | | 10 | 50 | 450 | 33 | |
| " | " | 520 | | | 72 | 25 | | 200 | 100 | | | | | | 10 | 50 | 487 | 33 | |
| Peoria..... | " | 520 | | | 84 | 25 | | 200 | 95 | | | | | | 10 | 50 | 419 | 182 | |
| " | Ger. | 601 | | | 72 | 25 | | 180 | 50 | | | | | | 8 | 12 | 456 | 216 | |
| " | " | 672 | | | 72 | 18 | | 180 | 50 | | | | | | 8 | 15 | 483 | 211 | |
| " | " | 624 | | | 72 | 16 | | 110 | 40 | | | | | | 6 | 12 | 421 | 99 | |
| Quincy..... | Am. | 520 | | | 96 | 25 | | 90 | 40 | | | | | | 10 | 50 | 396 | 204 | |
| " | " | 500 | | | 96 | 30 | | 125 | 50 | | | | | | 10 | 50 | 500 | | |
| " | " | 500 | | | 96 | 30 | | 125 | 50 | | | | | | 10 | 50 | 471 | 4 | |
| " | " | 575 | | | 96 | 30 | | 150 | 75 | | | | | | 10 | 75 | 517 | 81 | |
| Rock Island..... | Ger. | 600 | | | 96 | 35 | | 175 | 75 | | | | | | 10 | 50 | 531 | 249 | |
| " | " | 780 | | | 96 | 35 | | 100 | 50 | | | | | | 10 | 50 | 581 | 249 | |
| Storling..... | Am. | 750 | | | 156 | 50 | | 100 | 50 | | | | | | 30 | 10 | 571 | 179 | |
| Totals..... | 79 | \$38,901 | \$2,253 | \$4,458 | \$207,156 | \$2,388 | \$2,096 | \$14,763 | \$6,185 | \$381 | \$1,687 | \$153 | \$287 | \$622 | \$1,769 | \$3,201 | \$11,688 | \$3,970 | 2016 |
| Averages..... | | 492.42 | | | 105.23 | 30.16 | 69.86 | 186.90 | 78.29 | 22.87 | 38.31 | 7 | | | 22.40 | 40.52 | 527.70 | 121.98 | |

CIGAR PACKERS.

| Chicago | Gor. Am. | \$ 120 000 | \$50 200 | \$170 800 | 6 5 | 7 6 | \$50 50 | \$175 172 | \$200 230 | \$70 85 | \$20 40 | \$30 30 | \$10 | \$15 | \$10 | \$20 80 | \$150 |
|----------|-------------|---------------|-------------|--------------|--------|--------|------------|--------------|--------------|------------|------------|------------|------|------|------|------------|-------|
| Totals | 2 | \$1,020 | \$750 | \$1,270 | 12 | 13 | \$108 | \$317 | \$150 | \$135 | \$90 | \$65 | \$10 | \$15 | \$10 | \$1,420 | \$150 |
| Averages | | 510 | 635 | 635 | 6 | 6.5 | | 50 | 225 | 67 | 45 | 32 | 5 | | 20 | 710 | |

CLERKS.

[illegible]

Clerks—Continued.

| PLACE. | Nationality. | ANNUAL EARNINGS OF— | | | Total earnings.... | Number in family.. | Number of rooms occupied..... | ANNUAL EXPENDITURES FOR— | | | | | | | | | | Total expenses... | Surplus..... | Debt..... |
|-------------|--------------|---------------------|-----------|-------------|--------------------|--------------------|-------------------------------|--------------------------|-----------|-----------|--------------|-------------|---------------------|-------------|------------|---------------------|--------------|-------------------|--------------|-----------|
| | | Husband.. | Wife..... | Children... | | | | Rent..... | Fuel..... | Meat..... | Groceries... | Clothing... | Boots and shoes.... | Dry goods.. | Books..... | Life insurance..... | Trade unions | | | |
| Moline | Am. | \$200 | | | \$200 | 5 | 5 | \$156 | \$20 | 50 | \$225 | \$75 | 25 | \$25 | \$6 | \$25 | | \$526 | \$61 | |
| Peoria | Ger. | 500 | | | 1,300 | 9 | 9 | 156 | 50 | | 264 | 100 | 50 | 35 | 20 | 10 | | 826 | 474 | |
| " | Eng. | 600 | | | 1,050 | 4 | 4 | 84 | 50 | | 180 | 70 | | | | | | 630 | 390 | |
| Pontiac | Ger. | 520 | | | 520 | 3 | 3 | 84 | 50 | | 120 | 40 | | | | | | 414 | 76 | |
| " | Am. | 558 | | | 558 | 4 | 4 | 72 | 35 | 15 | 120 | 50 | 15 | 75 | 5 | 5 | | 317 | 241 | |
| " | " | 900 | | | 900 | 7 | 7 | | 60 | 100 | 160 | 50 | 35 | 100 | 25 | 30 | | 590 | 310 | |
| Springfield | " | 500 | | | 500 | 5 | 5 | 68 | 60 | 120 | 175 | 50 | | | 50 | 50 | | 890 | | \$300 |
| " | Ger. | 1,500 | | | 1,500 | 6 | 6 | 168 | 40 | | 800 | 200 | | 40 | 10 | 25 | | 1,283 | 327 | |
| " | " | 600 | | | 600 | 3 | 3 | | 35 | 65 | 180 | 40 | | | | | | 556 | 44 | |
| " | Am. | 1,200 | | | 1,200 | 5 | 5 | | 50 | | 900 | 100 | | 200 | 25 | 20 | | 800 | 400 | |
| " | " | 900 | | | 900 | 4 | 4 | | 80 | | 250 | 100 | | 40 | 25 | 40 | | 802 | 98 | |
| Sterling | Am. | 500 | \$10 | | 400 | 4 | 5 | | 50 | 50 | 150 | 40 | 25 | 24 | 5 | 13 | | 376 | 24 | |
| Totals | 46 | \$29,478 | \$140 | \$1,900 | \$31,608 | 181 | 220 | \$3,110 | \$1,702 | \$2,018 | \$9,276 | \$3,740 | \$383 | \$2,151 | \$502 | \$414 | \$19 | \$26,994 | \$5,328 | \$709 |
| Averages | | 610 83 | | | 687 13 3 98 | 4 78 | 119 61 | 38 30 | 61 | 201 65 | 81 30 | 26 76 | 59 50 | | 10 91 | | | 556 82 | 147 118 | |

COAL MINERS.

| | | | | | | | | | | | | | | | | | | | | |
|-------------|--------|-------|--|--|-------|----|---|------|------|------|-------|------|------|------|-----|--|--|-------|------|--|
| Alma | Welch | \$210 | | | \$210 | 3 | 3 | \$60 | \$21 | \$75 | \$100 | \$40 | \$30 | \$15 | \$2 | | | \$319 | \$71 | |
| " | Eng. | 210 | | | 300 | 3 | 3 | 81 | 25 | 90 | 125 | 40 | 20 | 16 | 8 | | | 30 | 171 | |
| " | " | 210 | | | 420 | 4 | 4 | 72 | 25 | 75 | 100 | 30 | 20 | 10 | 3 | | | 20 | 410 | |
| " | " | 180 | | | 960 | 3 | 3 | 60 | 20 | 70 | 95 | 30 | 20 | 10 | 2 | | | 337 | 23 | |
| " | " | 175 | | | 350 | 4 | 4 | 60 | 25 | 75 | 100 | 35 | 15 | 15 | 3 | | | 390 | 378 | |
| Alton | Scotch | 200 | | | 200 | 3 | 3 | 60 | 20 | 50 | 112 | 5 | 15 | 15 | 8 | | | 200 | 315 | |
| " | " | 312 | | | 481 | 10 | 4 | 80 | 136 | 131 | 312 | 148 | 76 | 60 | 7 | | | 40 | 978 | |
| " | " | 404 | | | 200 | 6 | 3 | | 18 | 75 | 190 | 80 | 20 | 40 | 5 | | | 119 | 45 | |
| Bartonville | Irish | 346 | | | 600 | 8 | 3 | | 16 | 40 | 120 | 100 | 40 | 35 | 10 | | | 25 | 437 | |
| " | " | 346 | | | 576 | 5 | 4 | 72 | 12 | 20 | 90 | 70 | 20 | 70 | 20 | | | 15 | 129 | |
| " | " | 346 | | | 336 | 5 | 4 | 81 | 12 | 40 | 90 | 70 | 20 | 70 | 3 | | | 8 | 424 | |
| " | " | 346 | | | 336 | 5 | 4 | 60 | 12 | 25 | 90 | 70 | 20 | 60 | 3 | | | 10 | 33 | |

[illegible]

Coal Miners--Continued.

| PLACE. | Nationality | ANNUAL EARNINGS OF— | | | ANNUAL EXPENDITURES FOR— | | | | | | | | | | | Total expenses | Surplus | Debt | |
|--------------|-------------|---------------------|------|----------|--------------------------|------|------|-----------|----------|-----------------|-----------|-------|----------------|--------------|----------|----------------|---------|------|----------|
| | | Husband | Wife | Children | Rent | Fuel | Meat | Groceries | Clothing | Boots and shoes | Dry goods | Books | Life insurance | Trade unions | Sickness | | | | Sundries |
| Collinsville | Am. | \$456 | | | \$66 | \$20 | \$96 | \$172 | \$33 | \$20 | \$19 | \$3 | | | \$50 | \$50 | \$453 | \$3 | |
| | " | 456 | | | 84 | 12 | 90 | 120 | 50 | 10 | 30 | 5 | | | 10 | 443 | 13 | | |
| | " | 405 | | | | 15 | 75 | 115 | 34 | 15 | 35 | 5 | | | 25 | 50 | 423 | | \$18 |
| | " | 405 | | | 72 | 15 | 87 | 87 | 30 | 20 | 21 | 3 | | | 45 | 50 | 402 | 8 | 25 |
| Danville | " | 390 | | | | 15 | 80 | 150 | 50 | 25 | 30 | | | | 13 | 40 | 385 | | |
| | " | 390 | | | 60 | 12 | 80 | 150 | 50 | 25 | 9 | | | | 13 | 40 | 433 | | |
| | " | 390 | | | | 12 | 72 | 114 | 25 | 10 | 10 | | | | 15 | 10 | 326 | | |
| | " | 405 | | | | 15 | 72 | 110 | 25 | 10 | 10 | | | | 10 | 25 | 280 | | |
| | " | 150 | | | 60 | 10 | 25 | 35 | 10 | 10 | 10 | | | | 15 | 15 | 175 | | 25 |
| | Welsh | 354 | | | 60 | 12 | 75 | 150 | 25 | 15 | 20 | | | | 40 | 20 | 397 | | 83 |
| | " | 576 | | | | 30 | 95 | 175 | 60 | 30 | 50 | | | | 5 | 30 | 470 | 106 | |
| | " | 480 | | | | 25 | 90 | 140 | 40 | 30 | 25 | | | | 6 | 20 | 348 | 132 | |
| | Scotch | 315 | | 180 | 35 | 16 | 120 | 150 | 50 | 30 | 25 | | | | | 10 | 430 | 165 | |
| | " | 315 | | 630 | | 30 | 100 | 200 | 75 | 30 | 25 | | | | | 10 | 598 | 32 | |
| Irish | " | 472 | | 324 | 60 | 26 | 144 | 250 | 40 | 30 | 8 | | | | 25 | 600 | 196 | | |
| | " | 408 | | | | 30 | | 300 | 15 | 15 | 3 | | | | 12 | 600 | 91 | | |
| | " | 525 | | | 48 | 20 | 85 | 200 | 45 | 20 | 15 | | | | 5 | 377 | 69 | | |
| | " | 540 | | | | 15 | 100 | 140 | 35 | 30 | 30 | | | | 5 | 456 | 91 | | |
| Am. | " | 405 | | | | 20 | 72 | 100 | 25 | 12 | 20 | | | | 15 | 351 | 180 | | |
| | " | 432 | | 240 | | 25 | 80 | 250 | 40 | 20 | 20 | | | | 15 | 141 | 141 | | |
| | " | 408 | | | 60 | 18 | 100 | 200 | 50 | 20 | 25 | | | | 10 | 264 | 208 | | |
| | " | 405 | | 300 | | 30 | 120 | 300 | 75 | 40 | 30 | | | | 20 | 464 | 208 | | |
| " | " | 474 | | | | 20 | 75 | 250 | 30 | 25 | 3 | | | | 10 | 423 | 45 | | |
| | " | 405 | | | | 25 | 100 | 35 | 40 | 25 | 15 | | | | 15 | 470 | 25 | | |
| | " | 515 | | | 54 | 25 | 85 | 150 | 35 | 15 | 25 | | | | 5 | 355 | 4 | | |
| | " | 318 | | | | 40 | 75 | 150 | 200 | 30 | 20 | | | | 15 | 426 | 4 | | |
| Ger | " | 400 | | 50 | | 25 | 75 | 150 | 200 | 20 | 20 | | | | 15 | 311 | 7 | | |
| | Eng | 386 | | | | 15 | 50 | 75 | 200 | 8 | 20 | | | | 40 | 400 | 100 | | |
| Am. | " | 390 | | | | 25 | 125 | 250 | 75 | 35 | 20 | | | | 15 | 235 | 100 | | |
| | " | 720 | | | | 25 | 25 | 250 | 75 | 35 | 15 | | | | 40 | 575 | 145 | | |
| | " | 450 | | 600 | | 24 | 180 | 300 | 100 | 30 | 60 | | | | 10 | 726 | 324 | | |
| | " | 432 | | | | 20 | 50 | 240 | 30 | 10 | 15 | | | | 10 | 370 | 62 | | |
| " | " | 408 | | | | 12 | 100 | 200 | 30 | 15 | 25 | | | | 5 | 299 | 69 | | |
| | " | 420 | | 120 | | 20 | 120 | 180 | 60 | 30 | 40 | | | | 10 | 535 | 36 | | |
| | " | 432 | | | | 48 | 48 | 240 | 50 | 40 | 20 | | | | 4 | 305 | 4 | | |
| | " | 158 | | | | 30 | 40 | 50 | 40 | 15 | | | | | 10 | 209 | 67 | | |

EARNINGS AND EXPENSES.

[illegible]

Coal Miners—Continued.

| PLACE. | Nationality | ANNUAL EARNINGS OF— | | | ANNUAL EXPENDITURES FOR— | | | | | | | | | | | Total expenses.... | Surplus | Debt..... | |
|---------------|-------------|---------------------|------------|-------------|--------------------------|------------|------------|---------------|---------------|-----------------------|--------------|-------------|----------------------|--------------|----------------|--------------------|---------------|-----------|----------------|
| | | Husband .. | Wife | Children .. | Rent | Fuel | Meat | Groceries ... | Clothing..... | Boots and shoes | Dry goods... | Books | Life insurance | Trade unions | Sickness | | | | Sundries |
| | | | | | | | | | | | | | | | | | | | |
| Mattoon..... | Am..... | \$788 | | | 6 | \$132 | \$30 | \$120 | \$300 | \$25 | | \$15 | \$20 | \$3 | \$20 | | \$6 | \$18 | |
| " | Scotch | 600 | | | 4 | 120 | 60 | 150 | 180 | 100 | | 10 | 25 | 5 | 8 | | 6 | 6 | |
| " | Welsh | 580 | | | 6 | 60 | 15 | 25 | 210 | 50 | | 5 | 5 | 5 | 6 | | 108 | | |
| Peekin..... | Scotch | 420 | | | 6 | 60 | 15 | 25 | 220 | 160 | | 5 | 5 | 3 | 6 | | 460 | | |
| " | Irish | 350 | | | 8 | 35 | 20 | 25 | 450 | 70 | \$30 | 8 | 8 | 3 | 35 | 25 | 81 | | |
| " | Irish | 350 | | | 3 | 20 | 20 | 25 | 150 | 50 | | 10 | 10 | 10 | 30 | 19 | 60 | | |
| " | Am | 312 | | | 4 | 36 | 20 | 25 | 455 | 101 | | 1 | 1 | 1 | 5 | 5 | 12 | | |
| " | Am | 312 | | | 3 | 36 | 20 | 25 | 192 | 40 | | 2 | 2 | 2 | 15 | 15 | 21 | | |
| " | Eng | 275 | | | 8 | 66 | 25 | 25 | 108 | 8 | | | | | 15 | 15 | 2 | | |
| " | Irish | 288 | | | 4 | 66 | 25 | 25 | 168 | 30 | | 5 | 5 | 5 | 2 | | 364 | 76 | |
| Peoria..... | Am | 360 | | | 2 | 60 | 24 | 12 | 310 | 35 | | 5 | 5 | 8 | 25 | | 245 | | |
| " | Irish | 300 | | | 6 | 141 | 25 | 20 | 310 | 100 | 75 | 20 | 10 | 10 | 250 | | 408 | | |
| " | Am | 458 | | | 8 | 120 | 18 | 40 | 440 | 100 | 87 | 4 | 4 | 4 | 16 | 12 | 31 | 111 | |
| " | Am | 316 | | | 4 | 48 | 18 | 40 | 140 | 40 | 20 | 3 | 3 | 3 | 10 | 10 | 6 | 106 | |
| " | Eng | 316 | | | 4 | 72 | 18 | 40 | 132 | 65 | 31 | 4 | 4 | 4 | 10 | 10 | 1 | | |
| " | Irish | 336 | | | 2 | 44 | 11 | 25 | 90 | 20 | 25 | 10 | 10 | 10 | 25 | 15 | 35 | | |
| " | Am | 336 | | | 3 | 72 | 18 | 30 | 100 | 80 | 20 | 5 | 5 | 5 | 25 | 30 | 11 | | |
| " | Am | 336 | | | 5 | 72 | 16 | 25 | 100 | 30 | 50 | | | | 15 | 15 | 4 | | |
| " | Scotch | 336 | | | 8 | 96 | 20 | 60 | 150 | 100 | 40 | 8 | 8 | 8 | 15 | 15 | 85 | 124 | |
| " | Irish | 336 | | | 5 | 96 | 20 | 60 | 150 | 100 | 40 | 10 | 10 | 10 | 15 | 15 | 6 | | |
| " | Am | 336 | | | 4 | 60 | 11 | 20 | 100 | 60 | 25 | 2 | 2 | 2 | 40 | 30 | 45 | | |
| " | Am | 336 | | | 4 | 72 | 16 | 40 | 100 | 70 | 20 | 5 | 5 | 5 | 5 | 5 | 109 | | |
| " | Eng | 480 | | | 5 | 81 | 14 | 35 | 180 | 15 | 16 | 4 | 4 | 4 | 6 | 6 | 169 | | |
| " | Am | 462 | | | 2 | 72 | 14 | 35 | 156 | 15 | 25 | 10 | 10 | 10 | 6 | 6 | 419 | | |
| Peoria County | Irish | 350 | | | 5 | 96 | 18 | 50 | 150 | 60 | 75 | 10 | 10 | 10 | 6 | 6 | 847 | | |
| " | Am | 350 | | | 7 | 96 | 18 | 50 | 130 | 100 | 80 | 10 | 10 | 10 | 6 | 6 | 115 | | |
| " | Eng | 350 | | | 5 | 60 | 12 | 25 | 90 | 80 | 25 | 5 | 5 | 5 | 15 | 15 | 501 | | |
| " | Am | 350 | | | 4 | 48 | 14 | 35 | 80 | 60 | 20 | 15 | 15 | 15 | 15 | 15 | 182 | | |
| " | Am | 350 | | | 4 | 48 | 14 | 35 | 90 | 80 | 20 | 15 | 15 | 15 | 15 | 15 | 9 | | |
| " | Eng | 350 | | | 4 | 48 | 14 | 35 | 110 | 70 | 15 | 10 | 10 | 10 | 15 | 15 | 347 | 11 | |
| " | Am | 350 | | | 5 | 60 | 12 | 30 | 110 | 40 | 80 | 5 | 5 | 5 | 6 | 6 | 19 | | |
| " | Eng | 350 | | | 4 | 48 | 14 | 35 | 80 | 70 | 20 | 15 | 15 | 15 | 15 | 15 | 317 | | |
| " | Irish | 350 | | | 4 | 48 | 12 | 30 | 80 | 80 | 20 | 15 | 15 | 15 | 15 | 15 | 372 | | |
| " | Scotch | 350 | | | 4 | 48 | 12 | 30 | 110 | 80 | 20 | 15 | 15 | 15 | 15 | 15 | 312 | | |
| " | Eng | 350 | | | 4 | 48 | 12 | 30 | 110 | 80 | 20 | 15 | 15 | 15 | 15 | 15 | 390 | | |
| " | Am | 350 | | | 4 | 48 | 16 | 35 | 110 | 80 | 20 | 15 | 15 | 15 | 15 | 15 | 574 | 44 | |
| " | Eng | 350 | | | 4 | 48 | 16 | 35 | 120 | 90 | 25 | 15 | 15 | 15 | 10 | 10 | 38 | 23 | |
| " | Am | 350 | | | 4 | 48 | 16 | 35 | 120 | 90 | 25 | 15 | 15 | 15 | 15 | 15 | 458 | | |

EARNINGS AND EXPENSES.

| Peoria County | Am. | Scotch. | 850 | 600 | 10 | 6 | 84 | 90 | 50 | 180 | 150 | 60 | 100 | 20 | 10 | 20 | 600 | 47 |
|---------------|----------|----------|-----------|-------|-------|--------|---------|--------|----------|--------|---------|---------|---------|-------|-------|---------|----------|-----------|
| Am. | 450 | 450 | 450 | 450 | 4 | 4 | 38 | 38 | 4 | 90 | 90 | 25 | 25 | 10 | 10 | 15 | 420 | 47 |
| Welch. | 450 | 450 | 450 | 450 | 2 | 2 | 38 | 38 | 50 | 50 | 18 | 18 | 80 | 2 | 2 | 15 | 340 | 101 |
| Pontiac. | 550 | 550 | 550 | 550 | 6 | 6 | 48 | 16 | 80 | 80 | 30 | 30 | 60 | 5 | 5 | 10 | 804 | 75 |
| Am. | 618 | 618 | 618 | 618 | 5 | 5 | 48 | 90 | 60 | 60 | 35 | 25 | 60 | 10 | 10 | 5 | 578 | 100 |
| Eng. | 618 | 618 | 618 | 618 | 6 | 6 | 48 | 90 | 75 | 75 | 35 | 25 | 30 | 5 | 5 | 415 | 89 | |
| Am. | 108 | 108 | 108 | 108 | 4 | 4 | 48 | 6 | 96 | 6 | 100 | 40 | 20 | 6 | 6 | 477 | 141 | |
| Ger. | 430 | 430 | 430 | 430 | 3 | 3 | 120 | 35 | 50 | 84 | 100 | 40 | 10 | 30 | 30 | 835 | 415 | |
| Irish. | 321 | 321 | 321 | 321 | 4 | 4 | 48 | 20 | 50 | 20 | 20 | 13 | 10 | 5 | 5 | 514 | 220 | |
| Eng. | 321 | 321 | 321 | 321 | 2 | 2 | 48 | 90 | 96 | 20 | 60 | 23 | 50 | 8 | 8 | 253 | 61 | |
| Scotch. | 482 | 482 | 482 | 482 | 7 | 7 | 48 | 8 | 60 | 60 | 30 | 20 | 5 | 40 | 40 | 471 | 11 | |
| Am. | 510 | 510 | 510 | 510 | 5 | 5 | 48 | 10 | 60 | 60 | 60 | 30 | 5 | 5 | 5 | 456 | 81 | |
| Ger. | 630 | 630 | 630 | 630 | 5 | 5 | 48 | 10 | 60 | 60 | 30 | 20 | 5 | 15 | 15 | 515 | 86 | |
| Welch. | 400 | 400 | 400 | 400 | 6 | 6 | 72 | 9 | 80 | 20 | 50 | 6 | 3 | 3 | 3 | 557 | 97 | |
| Irish. | 399 | 399 | 399 | 399 | 6 | 6 | 72 | 12 | 60 | 60 | 30 | 36 | 36 | 40 | 40 | 406 | 7 | |
| Am. | 390 | 390 | 390 | 390 | 4 | 4 | 30 | 10 | 60 | 60 | 40 | 30 | 27 | 10 | 10 | 367 | 7 | |
| Welch. | 370 | 370 | 370 | 370 | 5 | 5 | 30 | 21 | 81 | 160 | 23 | 40 | 37 | 5 | 5 | 377 | 27 | |
| Eng. | 390 | 390 | 390 | 390 | 3 | 3 | 60 | 15 | 120 | 60 | 20 | 80 | 30 | 4 | 4 | 388 | 10 | |
| Scotch. | 310 | 310 | 310 | 310 | 7 | 7 | 60 | 9 | 96 | 250 | 80 | 70 | 64 | 60 | 60 | 641 | 130 | |
| Am. | 420 | 420 | 420 | 420 | 6 | 6 | 210 | 10 | 200 | 84 | 12 | 15 | 30 | 2 | 2 | 1,415 | 5 | |
| Ger. | 990 | 990 | 990 | 990 | 6 | 6 | 60 | 10 | 45 | 100 | 116 | 20 | 100 | 10 | 10 | 353 | 28 | |
| Welch. | 390 | 390 | 390 | 390 | 6 | 6 | 43 | 5 | 58 | 180 | 100 | 20 | 100 | 5 | 5 | 212 | 63 | |
| Eng. | 321 | 321 | 321 | 321 | 3 | 3 | 43 | 10 | 60 | 150 | 100 | 20 | 100 | 15 | 15 | 316 | 9 | |
| Scotch. | 490 | 490 | 490 | 490 | 2 | 2 | 43 | 6 | 60 | 20 | 20 | 20 | 100 | 4 | 4 | 96 | 286 | |
| Am. | 775 | 775 | 775 | 775 | 4 | 4 | 43 | 20 | 72 | 180 | 50 | 40 | 50 | 12 | 12 | 409 | 501 | |
| Ger. | 500 | 500 | 500 | 500 | 3 | 3 | 43 | 18 | 70 | 200 | 50 | 40 | 20 | 10 | 10 | 527 | 194 | |
| Welch. | 353 | 353 | 353 | 353 | 6 | 6 | 38 | 15 | 100 | 350 | 55 | 60 | 70 | 20 | 20 | 720 | 9 | |
| Eng. | 451 | 451 | 451 | 451 | 3 | 3 | 38 | 10 | 50 | 180 | 50 | 60 | 30 | 5 | 5 | 961 | 1 | |
| Scotch. | 380 | 380 | 380 | 380 | 4 | 4 | 38 | 16 | 60 | 180 | 60 | 70 | 30 | 6 | 6 | 479 | 121 | |
| Am. | 400 | 400 | 400 | 400 | 3 | 3 | 38 | 12 | 60 | 180 | 70 | 70 | 30 | 5 | 5 | 374 | 26 | |
| Welch. | 430 | 430 | 430 | 430 | 6 | 6 | 48 | 4 | 48 | 108 | 65 | 25 | 40 | 14 | 14 | 421 | 179 | |
| Am. | 315 | 315 | 315 | 315 | 5 | 5 | 48 | 4 | 35 | 180 | 90 | 15 | 30 | 2 | 2 | 316 | 1 | |
| Ger. | 270 | 270 | 270 | 270 | 8 | 8 | 45 | 6 | 50 | 205 | 65 | 20 | 45 | 4 | 4 | 453 | 8 | |
| Welch. | 175 | 175 | 175 | 175 | 4 | 4 | 38 | 10 | 50 | 300 | 90 | 10 | 15 | 1 | 1 | 421 | 1 | |
| Eng. | 650 | 650 | 650 | 650 | 4 | 4 | 81 | 12 | 75 | 300 | 90 | 30 | 20 | 5 | 5 | 626 | 76 | |
| Scotch. | 436 | 436 | 436 | 436 | 3 | 3 | 72 | 11 | 60 | 141 | 50 | 80 | 60 | 10 | 10 | 588 | 53 | |
| Am. | 390 | 390 | 390 | 390 | 6 | 6 | 72 | 15 | 24 | 140 | 50 | 30 | 20 | 3 | 3 | 451 | 35 | |
| Welch. | 150 | 150 | 150 | 150 | 5 | 5 | 72 | 22 | 20 | 190 | 60 | 108 | 20 | 8 | 8 | 389 | 111 | |
| Scotch. | 45 | 45 | 45 | 45 | 3 | 3 | 72 | 10 | 96 | 168 | 20 | 10 | 10 | 6 | 6 | 56 | 63 | |
| Eng. | 450 | 450 | 450 | 450 | 3 | 3 | 66 | 9 | 42 | 390 | 35 | 15 | 10 | 7 | 7 | 613 | 62 | |
| Scotch. | 695 | 695 | 695 | 695 | 9 | 9 | 48 | 25 | 50 | 91 | 15 | 15 | 5 | 10 | 10 | 254 | 29 | |
| Summerfield | 50 | 50 | 50 | 50 | 9 | 9 | 48 | 25 | 50 | 91 | 15 | 15 | 5 | 10 | 10 | 254 | 29 | |
| Totals. | \$20,330 | \$19,351 | \$109,303 | 1196 | 732 | 10,435 | \$4,608 | 14,773 | \$38,211 | 11,881 | \$5,156 | \$6,216 | \$1,053 | \$361 | \$281 | \$3,885 | \$41,527 | \$101,121 |
| Averages | 353.43 | 323.1 | 1823.38 | 19.93 | 122.0 | 173.9 | 76.8 | 246.4 | 637.8 | 200.0 | 84.5 | 91.0 | 17.5 | 16.7 | 16.7 | 42.3 | 688.7 | 169.7 |

CONDUCTORS (FREIGHT.)

| PLACES. | Nationality | ANNUAL EARNINGS OF— | | | ANNUAL EXPENDITURES FOR— | | | | | | | | | | | | | Total expenses | Surplus | Debt. |
|-----------|-------------|---------------------|------|----------|--------------------------|-------|-------|-----------|----------|-----------------|-----------|-------|----------------|--------------|----------|----------|---------|----------------|---------|-------|
| | | Husband | Wife | Children | Rent | Fuel | Meat | Groceries | Clothing | Boots and shoes | Dry goods | Books | Life Insurance | Trade unions | Sickness | Sundries | | | | |
| Galesburg | Am. | \$780 | | | \$120 | \$35 | \$10 | \$120 | \$200 | \$50 | \$70 | \$10 | | | \$20 | \$60 | \$730 | \$50 | | |
| Mattoon | " | 1,152 | | | | 25 | 200 | 200 | 400 | 25 | 40 | 10 | | | 50 | 50 | 1,400 | 152 | | |
| Totals | 2 | \$1,932 | | | \$120 | \$60 | \$210 | \$325 | \$600 | \$75 | \$110 | \$20 | | | \$70 | \$110 | \$1,730 | \$202 | | |
| Averages | | 966 | | | 60 | 34.50 | 120 | 163.50 | 300 | 37.50 | 55 | 16 | | | 35 | 55 | 865 | 101 | | |

COOPERS.

| | | | | | | | | | | | | | | | | | | | | |
|-----------------|--------|-------|--|--|-------|---|---|------|------|------|-------|------|------|------|-----|--|--|-----|------|-------|
| Alton..... | Scotch | \$360 | | | \$360 | 5 | 3 | \$50 | \$20 | \$70 | \$125 | \$30 | \$15 | \$10 | \$2 | | | \$8 | \$12 | \$352 |
| " | Ger. | 250 | | | 250 | 4 | 2 | 60 | 20 | 60 | 185 | 30 | 20 | 5 | 5 | | | 6 | 6 | 308 |
| " | Am. | 312 | | | 312 | 5 | 3 | 60 | 30 | 180 | 185 | 30 | 20 | 5 | 5 | | | 7 | 20 | 481 |
| Aurora..... | Ger. | 520 | | | 520 | 5 | 3 | 60 | 15 | 60 | 180 | 50 | 20 | 25 | 5 | | | 15 | 25 | 515 |
| Belleville..... | Am. | 512 | | | 512 | 5 | 3 | 60 | 15 | 60 | 180 | 50 | 20 | 25 | 5 | | | 15 | 25 | 415 |
| " | Ger. | 512 | | | 512 | 5 | 3 | 60 | 15 | 60 | 180 | 50 | 20 | 25 | 5 | | | 15 | 25 | 320 |
| " | Am. | 512 | | | 512 | 5 | 3 | 60 | 15 | 60 | 180 | 50 | 20 | 25 | 5 | | | 15 | 25 | 420 |
| Chicago..... | Ger. | 676 | | | 676 | 5 | 3 | 60 | 15 | 60 | 180 | 50 | 20 | 25 | 5 | | | 15 | 25 | 475 |
| Champaign..... | Am. | 600 | | | 600 | 5 | 3 | 60 | 15 | 60 | 180 | 50 | 20 | 25 | 5 | | | 15 | 25 | 510 |
| " | Irish | 600 | | | 600 | 5 | 3 | 60 | 15 | 60 | 180 | 50 | 20 | 25 | 5 | | | 15 | 25 | 510 |
| Chicago..... | Am. | 910 | | | 910 | 6 | 3 | 60 | 15 | 60 | 180 | 50 | 20 | 25 | 5 | | | 15 | 25 | 680 |
| " | Irish | 1,200 | | | 1,200 | 6 | 3 | 60 | 15 | 60 | 180 | 50 | 20 | 25 | 5 | | | 15 | 25 | 680 |
| " | Am. | 984 | | | 984 | 6 | 3 | 60 | 15 | 60 | 180 | 50 | 20 | 25 | 5 | | | 15 | 25 | 680 |
| " | Irish | 816 | | | 816 | 6 | 3 | 60 | 15 | 60 | 180 | 50 | 20 | 25 | 5 | | | 15 | 25 | 680 |
| " | Am. | 816 | | | 816 | 6 | 3 | 60 | 15 | 60 | 180 | 50 | 20 | 25 | 5 | | | 15 | 25 | 680 |
| " | Irish | 960 | | | 960 | 6 | 3 | 60 | 15 | 60 | 180 | 50 | 20 | 25 | 5 | | | 15 | 25 | 680 |
| " | Am. | 960 | | | 960 | 6 | 3 | 60 | 15 | 60 | 180 | 50 | 20 | 25 | 5 | | | 15 | 25 | 680 |
| " | Irish | 460 | | | 460 | 6 | 3 | 60 | 15 | 60 | 180 | 50 | 20 | 25 | 5 | | | 15 | 25 | 680 |
| " | Am. | 460 | | | 460 | 6 | 3 | 60 | 15 | 60 | 180 | 50 | 20 | 25 | 5 | | | 15 | 25 | 680 |
| " | Irish | 636 | | | 636 | 6 | 3 | 60 | 15 | 60 | 180 | 50 | 20 | 25 | 5 | | | 15 | 25 | 680 |

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---------------|-------------|---------|----------|-------|-----|---------|-------|---------|---------|---------|-------|-------|-------|------|------|-------|-------|----------|---------|-------|----|----|----|----|----|----|-----|----|-----|----|
| Moline..... | Am..... | 318 | 4 | 4 | 84 | 25 | 60 | 130 | 40 | 15 | 7 | 5 | 40 | 15 | 421 | 103 | | | | | | | | | | | | | | |
| Peoria..... | Scotch..... | 315 | 4 | 3 | 60 | 15 | 40 | 100 | 20 | 25 | 40 | 3 | 8 | 70 | 378 | 63 | | | | | | | | | | | | | | |
| ..... | Am..... | 315 | 5 | 4 | 84 | 18 | 50 | 130 | 30 | 25 | 18 | 3 | 16 | 373 | 58 | | | | | | | | | | | | | | | |
| Sterling..... | ..... | 485 | 4 | 5 | 96 | 40 | 75 | 150 | 25 | 25 | 25 | 2 | 5 | 1 | 414 | 41 | | | | | | | | | | | | | | |
| Totals..... | 22 | \$9,507 | \$10,054 | 115 | 87 | \$1,872 | \$679 | \$1,510 | \$3,167 | \$1,170 | \$487 | \$164 | \$107 | \$46 | \$79 | \$330 | \$459 | \$10,420 | \$1,196 | \$971 | | | | | | | | | | |
| Averages..... | | 432 | 18 | | 484 | 27 | 5 | 23 | 3 | 95 | 98 | 30 | 86 | 75 | 50 | 143 | 95 | 53 | 18 | 23 | 19 | 25 | 72 | 15 | 20 | 82 | 474 | 05 | 183 | 74 |

CARRIERS.

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---------------|------------|---------|-------|---------|---------|-------|-------|-------|-------|---------|-------|-------|-------|------|------|------|-------|-------|---------|-------|-------|-------|-------|-------|----|----|-----|----|-----|----|
| Chicago..... | Irish..... | \$517 | 500 | ..... | \$800 | ..... | \$517 | 2 | 3 | \$96 | \$20 | \$80 | \$180 | \$23 | \$10 | \$18 | \$8 | \$6 | \$5 | \$25 | \$516 | \$1 | ..... |  |  |  |  |  |  |  |
| .. | Ger..... | 480 | ..... | 120 | ..... | ..... | 1,300 | 13 | 6 | ..... | 60 | 260 | 500 | 250 | 60 | 90 | 25 | 12 | 10 | 50 | 30 | 1,317 | 51 | ..... |  |  |  |  |  |  |
| .. | Am..... | 864 | ..... | ..... | ..... | ..... | 600 | 4 | 4 | 120 | 40 | ..... | 275 | 130 | 20 | 40 | 5 | 3 | 3 | 10 | 45 | 549 | 176 | ..... |  |  |  |  |  |  |
| .. | .. | 444 | ..... | 350 | ..... | ..... | 864 | 5 | 4 | 120 | 25 | 40 | 350 | 50 | 20 | 50 | 10 | 10 | 6 | 20 | 25 | 688 | 331 | ..... |  |  |  |  |  |  |
| .. | .. | 630 | ..... | ..... | ..... | ..... | 794 | 3 | 3 | 72 | 25 | 40 | 160 | 25 | 25 | 50 | 12 | 6 | 6 | 20 | 25 | 460 | 10 | ..... |  |  |  |  |  |  |
| Joliet..... | Ger..... | 450 | ..... | ..... | ..... | ..... | 630 | 4 | 5 | 120 | 50 | 80 | 180 | 100 | 20 | 50 | 10 | 20 | 5 | 5 | 25 | 610 | 22 | ..... |  |  |  |  |  |  |
| | | | | | | | 450 | 2 | 3 | 96 | 36 | 60 | 150 | 30 | 16 | 15 | 5 | 15 | | | | 472 | 22 | ..... |  |  |  |  |  |  |
| Totals..... | 7 | \$3,885 | ..... | \$1,270 | \$5,155 | \$33 | \$28 | \$271 | \$520 | \$1,795 | \$608 | \$150 | \$263 | \$75 | \$17 | \$33 | \$160 | \$150 | \$1,672 | \$562 | \$79 | ..... | ..... |  |  |  |  |  |  |  |
| Averages..... | | 555 | | | 736 | 43 | 4 | 71 | 3 | 29 | 100 | 38 | 71 | 104 | 256 | 43 | 86 | 66 | 25 | 52 | 60 | 12 | 50 | 22 | 86 | 22 | 637 | 43 | 140 | 26 |

DITCHERS.

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| Champaign..... | Am..... | \$450 | 3 | 3 | \$18 | \$32 | \$200 | \$95 | | | | \$2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | </ |
|----------------|---------|-------|---|---|------|------|-------|------|--|--|--|-----|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|----|

DRAUGHTSMEN.

| PLACE. | Nationality..... | ANNUAL EARNINGS OF— | | | ANNUAL EXPENDITURES FOR— | | | | | | | | | | | | Total expenses.... | Surplus | Debt |
|----------------|------------------|---------------------|-----------|-------------|--------------------------|-----------|-----------|--------------|--------------|----------------------|--------------|------------|---------------------|--------------|--------------|--------------|--------------------|---------------|------------|
| | | Husband.. | Wife..... | Children... | Rent..... | Fuel..... | Meat..... | Groceries... | Clothing.... | Boots and shoes..... | Dry goods... | Books..... | Life insurance..... | Trade unions | Sickness.... | Sundries.... | | | |
| Champaign..... | Am. | \$720 | | | \$180 | \$25 | | \$175 | \$100 | | | \$13 | | | | \$106 | \$599 | \$121 | |
| Chicago..... | Can. | 1,250 | | | 240 | 50 | | 300 | 210 | | | 35 | | | | 80 | 940 | 310 | |
| | | 612 | | | 144 | 54 | | 200 | 110 | | | 6 | | | | 40 | 570 | 42 | |
| Totals..... | 3 | \$2,552 | | | \$564 | \$129 | | \$675 | \$420 | | | \$54 | | | | \$226 | \$2,109 | \$473 | |
| Average..... | | 860 66 | | | 188 | 43 | | 225 | 140 | | | 18 | | | | 75 33 | 703 | 153 | |

ELECTRICIAN.

| | | | | | | | | | | | | | | | | | | | |
|--------------|---------|-------|--|--|-------|------|--|-------|-------|--|--|------|--|--|--|--|------|-------|------|
| Chicago..... | Am..... | \$300 | | | \$180 | \$10 | | \$220 | \$230 | | | \$30 | | | | | \$60 | \$760 | \$40 |
|--------------|---------|-------|--|--|-------|------|--|-------|-------|--|--|------|--|--|--|--|------|-------|------|

ENGINEERS (Loco.)

| | | | | | | | | | | | | | | | | | | | |
|---------------------|-------------|-------|--|--|-------|------|------|-------|------|------|-------|------|------|-----|--|------|-------|-------|--|
| Aurora..... | French..... | \$861 | | | \$108 | \$60 | \$60 | \$265 | \$13 | \$50 | \$180 | \$10 | \$40 | | | \$75 | \$911 | \$77 | |
| " | Am..... | 1,050 | | | 192 | 76 | 85 | 190 | 60 | 25 | 80 | 10 | 50 | \$4 | | 35 | 822 | \$228 | |
| " | " | 946 | | | 156 | 60 | 72 | 180 | 75 | 60 | 100 | 30 | 15 | | | 10 | 602 | 334 | |
| Champaign..... | Eng..... | 1,277 | | | 7 | 80 | 76 | 330 | 50 | 20 | 76 | 8 | 65 | 14 | | 25 | 868 | 379 | |
| East St. Louis..... | Am..... | 858 | | | 24 | 75 | | 420 | 200 | | | 10 | 24 | 5 | | 122 | 817 | 41 | |
| " | " | 1,000 | | | 204 | 46 | | 150 | 50 | 20 | | 10 | | | | 75 | 714 | 296 | |
| " | " | 1,277 | | | 132 | 96 | 91 | 180 | 75 | 58 | 100 | 10 | 42 | | | 50 | 826 | 451 | |
| " | " | 1,020 | | | 132 | 16 | 60 | 200 | 40 | 25 | 60 | 25 | 40 | | | 50 | 673 | 347 | |
| " | " | 780 | | | 240 | 18 | 150 | 430 | 30 | 30 | 100 | 15 | 9 | | | 50 | 1,147 | 137 | |

ENGINEERS (Sta.)

| | | | | | | | | | | | | | | | | | |
|------------------|----------|----------|-------|-----------|-------|---------|---------|---------|-------|-------|-------|-------|-------|--------|-------|----------|---------------|
| Galesburg..... | Am..... | 1,900 | ..... | 1,200 | 70 | 120 | 225 | 225 | 60 | 900 | 25 | 48 | 94 | 85 | 25 | 1,345 | 163 |
| Rock Island..... | Ger..... | 1,780 | ..... | 40 | 75 | 350 | 150 | 150 | 40 | 11 | 11 | 10 | ..... | 25 | 50 | 650 | ..... |
| Urbana..... | Am..... | 1,900 | ..... | 45 | ..... | 331 | 135 | 135 | ..... | ..... | ..... | 3 | ..... | 50 | 50 | 610 | ..... |
| Totals..... | 13 | \$12,242 | ..... | \$303 | \$303 | \$3,131 | \$1,123 | \$3,131 | \$338 | \$968 | \$332 | \$363 | \$350 | \$352 | \$030 | \$10,031 | \$3,055 \$349 |
| Averages..... | ..... | 1,020 17 | ..... | 168 46 66 | 86 30 | 266 17 | 93 58 | 38 80 | 96 60 | 14 | ..... | 27 67 | 56 67 | 835 12 | ..... | 339 116 | ..... |

| | | | | | | | | | | | | | | | | | | | | |
|---------------------|-------------------|----------|--|----------|--|----------|-----|-----|----------|-------|---------|---------|---------|-------|---------|-------|---------|----------|---------|-------|
| Alton..... | Scotch Am..... | \$195 | | \$50 | | \$545 | 6 | 4 | \$72 | \$20 | \$30 | \$185 | \$10 | \$20 | \$25 | \$7 | \$15 | | \$152 | \$93 |
| Aurora..... | " | 450 | | 600 | | 450 | 5 | 5 | 120 | 50 | 30 | 150 | 40 | 13 | 10 | 5 | 10 | 10 | 384 | 66 |
| " | " | 600 | | 600 | | 600 | 5 | 5 | 120 | 60 | 216 | 241 | 25 | 20 | 35 | 5 | 15 | 10 | 555 | 45 |
| Belleville..... | French Am..... | 621 | | 621 | | 621 | 8 | 3 | 120 | 15 | 18 | 241 | 100 | 18 | 15 | 20 | 60 | 15 | 375 | 14 |
| " | " | 700 | | 700 | | 700 | 8 | 3 | 72 | 15 | 61 | 125 | 18 | 15 | 15 | 12 | 20 | 40 | 610 | 10 |
| " | " | 720 | | 720 | | 720 | 8 | 3 | 72 | 15 | 61 | 125 | 18 | 15 | 15 | 12 | 20 | 40 | 610 | 10 |
| Champaign..... | " | 720 | | 720 | | 720 | 8 | 3 | 72 | 15 | 61 | 125 | 18 | 15 | 15 | 12 | 20 | 40 | 610 | 10 |
| " | " | 818 | | 818 | | 818 | 3 | 2 | 96 | 30 | 73 | 170 | 25 | 25 | 25 | 100 | 25 | 508 | 219 | |
| " | " | 912 | | 912 | | 912 | 3 | 2 | 48 | 42 | 30 | 382 | 100 | 15 | 25 | 8 | 75 | 525 | 185 | |
| " | " | 510 | | 510 | | 510 | 4 | 6 | 48 | 35 | 150 | 156 | 150 | 15 | 25 | 18 | 25 | 920 | 17 | |
| Coal City..... | " | 720 | | 720 | | 720 | 4 | 6 | 48 | 42 | 30 | 275 | 125 | 15 | 25 | 4 | 20 | 920 | 17 | |
| Collinsville..... | " | 600 | | 600 | | 600 | 4 | 6 | 60 | 45 | 60 | 180 | 160 | 40 | 40 | 10 | 10 | 550 | 150 | |
| Danville..... | " | 600 | | 600 | | 600 | 2 | 5 | 60 | 12 | 40 | 180 | 90 | 20 | 50 | 10 | 105 | 550 | 150 | |
| " | " | 1,600 | | 1,600 | | 1,600 | 5 | 5 | 72 | 13 | 50 | 200 | 200 | 20 | 300 | 50 | 25 | 960 | 640 | |
| " | " | 463 | | 463 | | 463 | 9 | 2 | 60 | 72 | 75 | 145 | 50 | 20 | 300 | 50 | 50 | 960 | 640 | |
| Eng..... | " | 720 | | 720 | | 720 | 7 | 4 | 120 | 21 | 180 | 250 | 40 | 25 | 35 | 10 | 23 | 387 | 81 | |
| DuQuoin..... | " | 561 | | 561 | | 561 | 3 | 5 | 180 | 15 | 141 | 155 | 14 | 21 | 22 | 7 | 4 | 685 | 263 | |
| East St. Louis..... | Ger. Am..... | 936 | | 936 | | 936 | 8 | 5 | 180 | 20 | 141 | 200 | 35 | 21 | 22 | 20 | 40 | 901 | 263 | |
| " | " | 1,092 | | 1,092 | | 1,092 | 7 | 4 | 141 | 25 | 200 | 500 | 50 | 25 | 150 | 20 | 50 | 769 | 167 | |
| " | " | 1,091 | | 1,091 | | 1,091 | 4 | 8 | 141 | 15 | 200 | 500 | 50 | 25 | 150 | 20 | 50 | 1,095 | 167 | |
| " | " | 1,092 | | 1,092 | | 1,092 | 4 | 8 | 141 | 15 | 200 | 500 | 50 | 25 | 150 | 20 | 50 | 1,095 | 167 | |
| Equality..... | " | 316 | | 101 | | 316 | 2 | 4 | 48 | 23 | 42 | 67 | 32 | 28 | 31 | 5 | 16 | 300 | 46 | |
| Galesburg..... | " | 450 | | 450 | | 450 | 2 | 6 | 48 | 23 | 42 | 67 | 32 | 28 | 31 | 5 | 16 | 300 | 46 | |
| Jacksonville..... | " | 600 | | 600 | | 600 | 4 | 4 | 90 | 30 | 30 | 100 | 100 | 20 | 60 | 30 | 67 | 440 | 10 | |
| Mattoon..... | " | 510 | | 510 | | 510 | 5 | 4 | 90 | 30 | 30 | 100 | 100 | 20 | 60 | 30 | 67 | 440 | 10 | |
| " | " | 530 | | 530 | | 530 | 5 | 4 | 90 | 30 | 30 | 100 | 100 | 20 | 60 | 30 | 67 | 440 | 10 | |
| Moline..... | " | 530 | | 530 | | 530 | 5 | 3 | 72 | 40 | 100 | 63 | 40 | 13 | 10 | 32 | 5 | 454 | 86 | |
| " | " | 600 | | 600 | | 600 | 5 | 3 | 72 | 40 | 100 | 63 | 40 | 13 | 10 | 32 | 5 | 454 | 86 | |
| " | " | 600 | | 600 | | 600 | 5 | 3 | 72 | 40 | 100 | 63 | 40 | 13 | 10 | 32 | 5 | 454 | 86 | |
| " | " | 600 | | 600 | | 600 | 5 | 3 | 72 | 40 | 100 | 63 | 40 | 13 | 10 | 32 | 5 | 454 | 86 | |
| Pekin..... | Scam. Am..... | 845 | | 845 | | 1,445 | 4 | 2 | 45 | 20 | 150 | 500 | 270 | 30 | 10 | 15 | 350 | 1,440 | 508 | 219 |
| Peoria..... | " | 408 | | 408 | | 408 | 8 | 5 | 45 | 20 | 150 | 500 | 270 | 30 | 10 | 15 | 350 | 1,440 | 508 | 219 |
| Springfield..... | Ger. Am..... | 501 | | 501 | | 501 | 5 | 3 | 125 | 25 | 75 | 200 | 30 | 40 | 80 | 5 | 25 | 410 | 64 | 14 |
| " | " | 780 | | 780 | | 780 | 7 | 3 | 125 | 51 | 30 | 210 | 125 | 40 | 75 | 12 | 25 | 786 | 44 | 44 |
| Sterling..... | " | 480 | | 480 | | 755 | 5 | 5 | 84 | 50 | 75 | 200 | 75 | 65 | 40 | 10 | 25 | 684 | 121 | 121 |
| Totals..... | 30 | \$19,085 | | \$1,274 | | \$20,359 | 139 | 129 | \$11,601 | \$970 | \$2,176 | \$3,933 | \$1,939 | \$676 | \$1,446 | \$321 | \$1,046 | \$17,426 | \$3,353 | \$102 |
| Averages..... | | 631 16 | | 678 63 4 | | 4 93 | 94 | 94 | 32 33 | 87 04 | 193 43 | 66 63 | 26 57 | 84 | 31 83 | 33 60 | 580 86 | 123 134 | | |

EXPRESS AGENT.

| PLACE. | Nationality | ANNUAL EARNINGS OF— | | | Total earnings | Number in family | Number of rooms occupied | ANNUAL EXPENDITURES FOR— | | | | | | | | | | Total expenses | Surplus | Debt | | |
|----------------|-------------|---------------------|------|----------|----------------|------------------|--------------------------|--------------------------|------|------|-----------|----------|-----------------|-----------|-------|----------------|--------------|----------------|---------|-------|----------|----------|
| | | Husband | Wife | Children | | | | Rent | Fuel | Meat | Groceries | Clothing | Boots and shoes | Dry goods | Books | Life insurance | Trade unions | | | | Sickness | Sundries |
| East St. Louis | Am. | \$720 | | | \$720 | 6 | 4 | \$144 | \$20 | \$96 | \$240 | \$25 | \$20 | \$40 | \$2 | | | \$50 | \$20 | \$667 | \$53 | |

EXPRESS DRIVERS.

| | | | | | | | | | | | | | | | | | | | | | |
|------------|-------|---------|--|--|--------|-------|----|--------|--------|-------|---------|-------|-------|-------|-------|------|-----|-------|-------|---------|-------|
| Aurora. | Am. | \$510 | | | \$540 | 4 | 5 | \$96 | \$45 | \$85 | \$144 | \$35 | \$20 | \$60 | \$5 | | | \$15 | \$20 | \$515 | \$25 |
| Centralia. | .. | 624 | | | 624 | 8 | 5 | 108 | 35 | 60 | 144 | 75 | 20 | 80 | 5 | | | 25 | 50 | 602 | 22 |
| Chicago. | Irish | 690 | | | 690 | 7 | 4 | 72 | 30 | 65 | 60 | 120 | 15 | 20 | 10 | | | 25 | 198 | 825 | 181 |
| Chicago. | Irish | 736 | | | 1,414 | 7 | 4 | 840 | 80 | 274 | 216 | 120 | 80 | 35 | 90 | | \$3 | 5 | 15 | 1,235 | 50 |
| Galesburg. | Ger | 720 | | | 800 | 8 | 6 | 108 | 38 | 180 | 300 | 80 | 35 | 100 | 12 | | | 35 | 58 | 890 | 75 |
| Galesburg. | Am. | 546 | | | 546 | 3 | 3 | 72 | 40 | 45 | 110 | 90 | 25 | 25 | 5 | | | 25 | 25 | 546 | 477 |
| Quincy. | Irish | 520 | | | 520 | 5 | 3 | 72 | 25 | | 175 | 100 | 25 | | | | | 25 | 25 | 477 | 75 |
| Totals. | 7 | \$4,386 | | | \$918 | 12 | 32 | \$816 | \$281 | \$719 | \$1,149 | \$620 | \$150 | \$385 | \$62 | \$36 | \$3 | \$130 | \$397 | \$4,126 | \$351 |
| Averages | | 619.43 | | | 750.57 | 6.457 | | 136.41 | 57.118 | 17 | 164.14 | 88.57 | 25 | 60 | 10.33 | | | 18.57 | 85.28 | 704 | 70 |

FARM HANDS.

| | | | | | | | | | | | | | | | | | | | | | |
|----------|-----|-------|--|--|---------|----|-----|------|-------|-------|--------|--------|------|------|------|--|--|-------|--------|---------|-----|
| Mattoon. | Am. | \$216 | | | \$312 | 9 | 5 | | | | \$75 | \$25 | \$25 | \$20 | \$15 | | | \$20 | \$15 | \$310 | \$2 |
| Mattoon. | .. | 420 | | | 852 | 9 | 4 | \$72 | 30 | 108 | 156 | 200 | | | 3 | | | 75 | 208 | 852 | 208 |
| Totals. | 2 | \$636 | | | \$1,164 | 18 | 9 | \$72 | \$70 | \$153 | \$281 | \$275 | \$25 | \$20 | \$18 | | | \$86 | \$258 | \$1,162 | \$2 |
| Averages | | 318 | | | 582 | 9 | 4.5 | | 35.61 | 50 | 115.50 | 137.50 | | | 9 | | | 47.50 | 111.50 | 581 | |

FIREMEN (Loco.)

| | | | | | | | | | | | | | | | | | | |
|---------------------|------|----------|----|----|---------|-------|---------|---------|---------|-------|-------|-------|-------|------|-------|-------|---------|---------|
| Alton..... | Am. | \$230 | 3 | 3 | \$34 | \$23 | \$75 | \$100 | \$46 | \$25 | \$35 | \$10 | .. | \$4 | \$5 | \$10 | \$45 | \$175 |
| Aurora..... | Ger. | 730 | 4 | 6 | 180 | 80 | 48 | 225 | 75 | 25 | 60 | 15 | .. | .. | 10 | 20 | 724 | 0 |
| Belleville..... | Fr. | 675 | 5 | 6 | 106 | 75 | 48 | 150 | 30 | 15 | 40 | 5 | .. | .. | 15 | 30 | 985 | \$10 |
| Champaign..... | Ger. | 600 | 2 | 2 | 144 | 65 | 85 | 160 | 30 | 15 | 30 | 10 | .. | .. | 10 | 25 | 985 | 2 |
| East St. Louis..... | Fr. | 600 | 2 | 2 | 150 | 65 | 85 | 160 | 30 | 15 | 30 | 10 | .. | .. | 10 | 25 | 985 | 40 |
| Freeport..... | Am. | 550 | 2 | 2 | 150 | 65 | 85 | 160 | 30 | 15 | 30 | 10 | .. | .. | 2 | 12 | 567 | 35 |
| Katoon..... | Ger. | 600 | 7 | 5 | .. | 30 | 40 | 192 | 40 | 35 | 25 | 6 | .. | .. | 8 | 142 | 508 | 2 |
| LaPorte..... | Am. | 730 | 5 | 4 | 78 | 40 | 50 | 190 | 75 | 25 | 40 | 10 | .. | .. | 12 | 24 | 122 | 222 |
| Madison..... | Fr. | 614 | 5 | 4 | .. | .. | 108 | 160 | 100 | 15 | 20 | 10 | .. | .. | 15 | 30 | 510 | 104 |
| Mattoon..... | .. | 660 | 4 | 4 | .. | 35 | 108 | 160 | 75 | 25 | 30 | 10 | .. | .. | 5 | 25 | 386 | 274 |
| Peoria..... | .. | 600 | 3 | 3 | .. | 30 | 30 | 225 | 40 | 25 | 20 | 2 | .. | .. | 5 | 25 | 450 | 680 |
| Pontiac..... | .. | 1,080 | 3 | 3 | 108 | 35 | 40 | 180 | 50 | 20 | 7 | 12 | .. | .. | 25 | 15 | 314 | 96 |
| Rock Island..... | .. | 600 | 4 | 3 | 132 | 40 | 50 | 180 | 150 | 18 | 7 | 10 | .. | .. | 40 | 642 | 78 | |
| .. | .. | 730 | 2 | 6 | 184 | 35 | 40 | 200 | 100 | 18 | 6 | 5 | .. | .. | 20 | 528 | 182 | |
| .. | .. | 720 | 5 | 3 | 120 | 50 | 40 | 180 | 125 | 18 | 8 | 10 | .. | .. | 19 | 571 | 149 | |
| Springfield..... | .. | 720 | 4 | 5 | 120 | 50 | 40 | 180 | 125 | 18 | 8 | 10 | .. | .. | 25 | 586 | 295 | |
| .. | .. | 981 | 3 | 3 | 96 | 27 | 36 | 265 | 50 | 24 | 50 | 6 | .. | .. | .. | 586 | 295 | |
| Totals..... | 16 | \$10,720 | 65 | 77 | \$1,374 | \$737 | \$1,066 | \$2,797 | \$1,086 | \$383 | \$563 | \$108 | \$190 | \$12 | \$165 | \$331 | \$8,961 | \$2,348 |
| Averages..... | | 670 | | | | | | 174 | 81 | 67 | 87 | 23 | 94 | 31 | 44 | 6 | 75 | 167 |
| | | | | | | | | | | | | | | | | | | 29 |

FIREMEN (STATIONARY.)

| | | | | | | | | | | | | | | | | | |
|---------------------|---------|------|------|-------|-------|-------|---------|-------|-------|-------|------|------|----|-------|-------|---------|-------|
| Alton..... | \$624 | 7 | 7 | \$120 | \$20 | \$84 | \$300 | \$60 | \$50 | \$55 | \$5 | | | \$15 | \$15 | \$624 | |
| Belleville..... | 358 | 5 | 5 | 60 | 12 | 50 | 70 | 30 | 12 | 10 | 8 | | | 25 | 25 | 274 | \$84 |
| Champaign..... | 436 | 6 | 6 | 72 | 12 | 75 | 286 | 100 | 30 | 13 | 13 | | | 35 | 35 | 477 | 81 |
| East St. Louis..... | 468 | 6 | 2 | 72 | 12 | 75 | 100 | 30 | 15 | 35 | 10 | | | 40 | 40 | 489 | 23 |
| DuQuoin..... | 380 | 2 | 2 | 50 | 20 | 40 | 75 | 40 | 12 | 20 | 5 | | | 3 | 3 | 270 | 110 |
| Effingham..... | 467 | 10 | 7 | 120 | 50 | 75 | 250 | 50 | 50 | 50 | 5 | | | 50 | 50 | 500 | 7 |
| Col. | 380 | 4 | 3 | 60 | 20 | 48 | 144 | 12 | 15 | 15 | 1 | | | 30 | 30 | 375 | 75 |
| Peoria..... | 396 | 7 | 4 | 96 | 16 | 60 | 150 | 20 | 75 | 75 | 5 | | | 8 | 8 | 400 | 94 |
| Streator..... | 610 | 8 | 4 | 72 | 18 | 72 | 220 | 60 | 25 | 70 | 50 | | | 10 | 10 | 400 | 94 |
| | | | | | | | | | | | | | | | | 607 | 3 |
| Totals..... | \$4,099 | 51 | 35 | \$650 | \$203 | \$504 | \$1,495 | \$402 | \$220 | \$330 | \$94 | \$20 | | \$171 | \$208 | \$1,106 | \$314 |
| Averages..... | 453 | 5.55 | 3.88 | 81 | 25 | 63 | 166 | 11 | 44 | 66 | 28 | 62 | 41 | 25 | 10 | 44 | 478 |
| | | | | | | | | | | | | | | 19 | 23 | 11 | 54 |

FOREMEN.

| | | | | | | | | | | | | | | | | | | | | | |
|----------------|-------|----------|-------|----------|------|------|---------|---------|---------|---------|---------|--------|---------|--------|-------|-------|--------|---------|---------|-------|-----|
| Belleville | Am. | \$1,500 | ... | \$1,500 | 6 | 8 | ... | \$1,500 | ... | \$180 | \$200 | \$75 | \$100 | \$20 | \$40 | \$350 | \$100 | \$1,075 | \$25 | | |
| Champaign | ... | 1,000 | \$250 | 1,250 | 8 | 7 | \$200 | 200 | ... | 200 | ... | 100 | 150 | ... | ... | 100 | 150 | 1,751 | \$92 | | |
| Chicago | Irish | 1,680 | ... | 1,680 | 3 | 4 | ... | 60 | 60 | 60 | 175 | 125 | 72 | ... | ... | 20 | 580 | 516 | ... | | |
| ... | ... | 1,000 | 500 | ... | 3 | 6 | ... | 40 | ... | 75 | 150 | 150 | ... | ... | ... | 100 | 100 | 100 | ... | | |
| ... | Am. | 1,900 | ... | 1,900 | 5 | 2 | ... | 50 | ... | ... | 200 | 65 | ... | ... | ... | 100 | 500 | 70 | ... | | |
| ... | ... | 800 | ... | 900 | 5 | 2 | ... | ... | ... | ... | 150 | ... | ... | ... | ... | 20 | 720 | 180 | ... | | |
| East St. Louis | ... | 772 | ... | 1,042 | 3 | 4 | 144 | ... | ... | ... | 150 | 15 | ... | ... | ... | 90 | ... | 586 | 214 | | |
| ... | ... | 900 | ... | 2,500 | 3 | 8 | ... | 20 | 150 | ... | 150 | 30 | ... | ... | ... | 25 | 25 | 679 | 393 | | |
| Freeport | ... | 1,520 | ... | 2,540 | 6 | 8 | 450 | ... | ... | 109 | 230 | 60 | ... | ... | ... | 10 | 10 | 472 | 328 | | |
| Jacksonville | ... | 1,050 | ... | 1,050 | 7 | 8 | ... | 55 | 30 | ... | 214 | 35 | ... | ... | ... | 45 | 100 | 1,949 | 591 | | |
| ... | ... | 936 | ... | 936 | 3 | 5 | 120 | ... | ... | ... | 200 | ... | ... | ... | ... | ... | ... | 751 | 316 | | |
| ... | Irish | 632 | ... | 812 | 10 | 5 | ... | 40 | ... | 75 | 500 | 30 | ... | ... | ... | 75 | 100 | 725 | 201 | | |
| ... | ... | 619 | ... | 619 | 6 | 6 | ... | 115 | ... | ... | 275 | 125 | ... | ... | ... | 125 | 151 | 861 | ... | | |
| ... | Am. | 1,200 | ... | 1,200 | 6 | 8 | 180 | ... | ... | 100 | 200 | ... | ... | ... | ... | ... | ... | 896 | 277 | | |
| ... | ... | 1,500 | ... | 1,500 | 6 | 8 | ... | ... | ... | ... | 200 | ... | ... | ... | ... | ... | ... | 1,105 | 35 | | |
| Totals | 15 | \$14,519 | \$250 | \$17,511 | 80 | 82 | \$1,194 | \$765 | \$1,114 | \$4,120 | \$2,020 | \$25 | \$1,245 | \$284 | \$307 | \$90 | \$915 | \$1,508 | \$3,731 | \$326 | |
| Averages | ... | 969.93 | ... | 1,167.40 | 5.33 | 6.13 | 238.80 | 51.01 | 27 | 375 | 27 | 134.66 | 42.50 | 103.75 | 18.93 | ... | 611.00 | 53 | 933.07 | 287 | 163 |

FURNACEMEN.

| Collet. | Am. Irish. | \$537 | \$1,174 | 4 | 6 | ..... | \$70 | \$120 | \$300 | \$75 | \$10 | \$33 | \$17 | ..... | \$100 | \$50 | \$797 | \$577 |
|------------|---------------|---------|---------|------|------|-------|-------|-------|-------|-------|-------|-------|------|-------|-------|-------|---------|-------|
| | | 575 | 624 | 6 | 6 | ..... | 45 | 250 | 250 | 20 | 20 | 35 | 9 | ..... | 25 | 30 | 608 | 120 |
| | | 612 | 612 | 6 | 8 | ..... | 30 | 75 | 200 | 34 | 34 | 24 | 6 | ..... | 10 | 80 | 488 | 124 |
| | | 600 | 600 | 3 | 2 | ..... | 20 | 65 | 150 | 15 | 25 | 40 | 6 | ..... | ..... | 60 | 379 | 221 |
| Totals. | 4 | \$2,424 | \$3,000 | 19 | 17 | ..... | \$155 | \$320 | \$900 | \$134 | \$117 | \$134 | \$31 | ..... | \$135 | \$250 | \$2,107 | \$812 |
| Averages.. | | 606 | 752 25 | 4 75 | 4 25 | ..... | 38 75 | 80 | 225 | 34 50 | 29 25 | 33 50 | 7 75 | ..... | 33 75 | 55 | 511 75 | 310 |

GARDENER.

| | | | | | | | | | | | | | | | | | |
|-------------|----------|-------------|------------|----------|---|------|------|-------|------|------|------|-------|------|------|-------|-------|------|
| Vollet..... | Ger..... | \$380 | \$72 | \$152 11 | 8 | \$30 | \$15 | \$300 | \$25 | \$30 | \$25 | | \$25 | \$20 | \$170 | | \$18 |
|-------------|----------|-------------|------------|----------|---|------|------|-------|------|------|------|-------|------|------|-------|-------|------|

GILDER.

| PLACE. | Nationality. | ANNUAL EARNINGS OF— | | | ANNUAL EXPENDITURES FOR— | | | | | | | | | | | | Total earnings..... | Number in family. | Number of rooms occupied..... | Debt..... |
|------------------|--------------|---------------------|-----------|-------------|--------------------------|-----------|------------|----------------|---------------|----------------------|--------------|------------|---------------------|--------------|---------------|---------------|---------------------|-------------------|-------------------------------|-----------|
| | | Husband... | Wife..... | Children... | Rent..... | Fuel..... | Meat..... | Groceries..... | Clothing..... | Boots and shoes..... | Dry goods... | Books..... | Life insurance..... | Trade unions | Sickness..... | Sundries..... | Surplus..... | | | |
| Springfield..... | Eng..... | \$720..... | ..... | \$384..... | \$190..... | \$36..... | \$120..... | \$360..... | \$180..... | ..... | ..... | \$21..... | ..... | ..... | \$20..... | ..... | \$184..... | | | |

GLASS BLOWERS.

| | | | | | | | | | | | | | | | | | | |
|------------------|----------|--------------|-------|-------|------------|-----------|------------|------------|------------|-----------|-----------|-----------|-----------|-----------|------------|------------|--------------|------------|
| Belleville..... | Am..... | \$900..... | ..... | ..... | \$120..... | \$25..... | \$120..... | \$150..... | \$75..... | \$25..... | \$30..... | \$15..... | \$25..... | \$10..... | \$30..... | \$75..... | \$720..... | \$180..... |
| Rock Island..... | Eng..... | 600..... | ..... | ..... | 96..... | 35..... | 65..... | 200..... | 80..... | 20..... | 25..... | 15..... | 19..... | 10..... | 15..... | 50..... | 511..... | 320..... |
| Totals..... | 3..... | \$2,331..... | ..... | ..... | \$300..... | \$30..... | \$285..... | \$380..... | \$205..... | \$65..... | \$53..... | \$10..... | \$14..... | \$25..... | \$155..... | \$135..... | \$1,775..... | \$556..... |
| Averages..... | ..... | 773..... | ..... | ..... | 100..... | 26..... | 95..... | 126..... | 68..... | 21..... | 21..... | 13..... | 33..... | ..... | 51..... | 45..... | 501..... | 185..... |

GRINDERS.

| | | | | | | | | | | | | | | | | | | |
|---------------|-----------|--------------|-------|-------|------------|------------|------------|------------|------------|-----------|-----------|-----------|-----------|-------|-----------|------------|--------------|------------|
| Moline..... | Scan..... | \$150..... | ..... | ..... | \$108..... | \$30..... | \$100..... | \$150..... | \$75..... | \$20..... | \$10..... | \$10..... | ..... | ..... | ..... | \$25..... | \$548..... | \$2..... |
| "..... | "..... | 650..... | ..... | ..... | 84..... | 30..... | 75..... | 250..... | 125..... | 30..... | 8..... | 10..... | ..... | ..... | ..... | 40..... | 593..... | 207..... |
| "..... | "..... | 405..... | ..... | ..... | 120..... | 25..... | 50..... | 125..... | 60..... | 12..... | 8..... | 5..... | ..... | ..... | ..... | 15..... | 420..... | \$15..... |
| "..... | Ger..... | 935..... | ..... | ..... | 90..... | 40..... | 55..... | 150..... | 80..... | 16..... | 7..... | 10..... | \$20..... | ..... | ..... | 40..... | 523..... | 412..... |
| Totals..... | 4..... | \$2,440..... | ..... | ..... | \$318..... | \$115..... | \$280..... | \$675..... | \$310..... | \$78..... | \$33..... | \$35..... | \$20..... | ..... | \$10..... | \$120..... | \$2,084..... | \$621..... |
| Averages..... | ..... | 610..... | ..... | ..... | 79..... | 36..... | 70..... | 168..... | 75..... | 19..... | 8..... | 8..... | 75..... | ..... | 10..... | 30..... | 521..... | 207..... |

HEATERS, (BAR MILL.)

| PLACE. | Nationality | ANNUAL EARNINGS OF— | | | ANNUAL EXPENDITURES FOR— | | | | | | | | | | | Total expenses | Surplus | Debt | |
|----------------|-------------|---------------------|-------|----------|--------------------------|-------|-------|-----------|----------|-----------------|-----------|-------|----------------|--------------|----------|----------------|---------|---------|----------|
| | | Husband | Wife | Children | Rent | Fuel | Meat | Groceries | Clothing | Boots and shoes | Dry goods | Books | Life insurance | Trade unions | Sickness | | | | Sundries |
| East St. Louis | Irish | \$1,776 | | | 4 | \$132 | \$45 | \$115 | \$195 | \$15 | \$30 | \$50 | \$3 | | \$25 | \$50 | \$568 | \$1,213 | |
| " | " | 1,776 | | | 3 | 120 | 45 | 110 | 200 | 60 | 30 | 75 | 5 | | 75 | 55 | 787 | 969 | |
| " | " | 1,000 | | | 3 | 120 | 46 | 146 | 475 | 25 | 25 | 50 | 15 | | 25 | 15 | 897 | 3 | |
| " | Eng. | 1,322 | | 222 | 5 | 180 | 57 | 150 | 250 | 30 | 30 | 75 | 9 | | 25 | 75 | 911 | 633 | |
| Totals | 4 | \$5,874 | \$222 | | 15 | \$432 | \$193 | \$521 | \$1,120 | \$165 | \$115 | \$250 | \$37 | | \$150 | \$275 | \$3,258 | \$2,888 | |
| Averages | | 1,468 50 | | | 3.75 | 144 | 49 25 | 130 25 | 280 | 41 25 | 28 75 | 62 50 | 9 25 | | 37 50 | 68 75 | 811 50 | 659 | |

HEATER, (FOUNDRY.)

| | | | | | | | | | | | | | | | | | | | |
|-------------|-----|---------|--|--|---|---|------|-------|-------|-------|--|--|--|--|-------|------|---------|-------|--|
| Springfield | Am. | \$1,200 | | | 9 | 7 | \$40 | \$190 | \$360 | \$300 | | | | | \$150 | \$20 | \$1,034 | \$166 | |
|-------------|-----|---------|--|--|---|---|------|-------|-------|-------|--|--|--|--|-------|------|---------|-------|--|

HELPER IN SHOP.

| | | | | | | | | | | | | | | | | | | | |
|-----------|------|---------|--|--|------|------|-----------|-------|-------|-------|-------|-------|------|--|------|-------|---------|------|------|
| Aurora | Ger. | \$450 | | | 4 | 5 | \$95 | \$85 | \$150 | \$30 | \$20 | \$20 | \$2 | | \$5 | \$10 | \$463 | \$13 | |
| Galesburg | Am. | 504 | | | 4 | 5 | 132 | 75 | 125 | 30 | 30 | 35 | | | 10 | 15 | 492 | \$12 | |
| | | 380 | | | 5 | 4 | 81 | 20 | 100 | 70 | 25 | 55 | 5 | | 10 | 15 | 409 | 29 | |
| Total | 3 | \$1,334 | | | 13 | 14 | \$312 | \$185 | \$375 | \$130 | \$65 | \$110 | \$7 | | \$25 | \$40 | \$1,364 | \$12 | \$42 |
| Averages | | 444 66 | | | 4.33 | 4.66 | 101 93 33 | 61 66 | 125 | 43 33 | 31 66 | 35 66 | 2 33 | | 8 33 | 13 33 | 454 66 | 21 | |

HOD CARRIERS.

[illegible]

HORSESHOE MAKER.

| | | | | | | | | | | | | | | | | | |
|--------------|---------|-------|-------|-------|---|---|------|------|------|-------|------|------|------|------|------|-------|-------|
| Chicago..... | Am..... | \$580 | | \$580 | 5 | 3 | \$96 | \$40 | \$75 | \$580 | \$50 | \$15 | \$10 | \$20 | \$11 | \$693 | \$112 |
|--------------|---------|-------|-------|-------|---|---|------|------|------|-------|------|------|------|------|------|-------|-------|

HORSEHOER.

[illegible]

HOSTILERS.

[illegible]

IRON AND STEEL WORKERS.

| PLACE. | Nationality | ANNUAL EARNINGS OF— | | Total earnings | Number in family. | Number of rooms occupied | ANNUAL EXPENDITURES FOR— | | | | | | | | | | Total expenses | Surplus | Debt |
|------------|-------------|---------------------|------|----------------|-------------------|--------------------------|--------------------------|-------|---------|-----------|----------|-----------------|-----------|-------|----------------|--------------|----------------|----------|---------|
| | | Husband | Wife | Children | | | Rent | Fuel | Meat | Groceries | Clothing | Boots and shoes | Dry goods | Books | Life insurance | Trade unions | Sickness | Sundries | |
| Alton | Am. | \$288 | | | 6 | 8 | \$108 | \$201 | \$60 | \$120 | \$80 | \$12 | \$10 | \$10 | \$25 | | \$10 | \$12 | \$259 |
| Centralia | Eng. | 435 | | | 3 | 9 | 118 | 36 | 72 | 175 | 100 | 25 | 50 | 10 | | | 40 | 25 | 623 |
| Chicago | Scotch | 760 | | | 3 | 4 | | 30 | | 190 | 210 | | | | | | | | 720 |
| " | Am. | 600 | | | 8 | 6 | 120 | 60 | 180 | 200 | 60 | 35 | 40 | 4 | | | 125 | 350 | 658 |
| " | Eng. | 840 | | | 8 | 3 | | 56 | 130 | 90 | 125 | 35 | 40 | 4 | | | | | 601 |
| Joliet | Irish | 1,420 | | | 6 | 5 | | 55 | 100 | 300 | 75 | 50 | 20 | 10 | | | 12 | 50 | 708 |
| " | Eng. | 756 | | | 4 | 5 | | 40 | 84 | 200 | 20 | 16 | 20 | 10 | | | 6 | 30 | 426 |
| " | Irish | 1,170 | | | 6 | 12 | | 75 | 120 | 300 | 50 | 30 | 35 | 5 | | | 10 | 40 | 788 |
| Rock Falls | Am. | 480 | | | 5 | 5 | 60 | 40 | 50 | 175 | 45 | 25 | 30 | 5 | | | 5 | 3 | 438 |
| Sterling | " | 600 | | | 4 | 6 | 75 | 50 | 100 | 125 | 80 | 25 | 20 | 1 | | | 25 | 5 | 431 |
| " | " | 600 | | | 5 | 5 | 120 | 40 | 50 | 150 | 50 | 35 | 35 | 10 | | | 15 | 5 | 520 |
| " | " | 720 | | | 7 | 3 | | 53 | 80 | 180 | 75 | 40 | 35 | 10 | | | 15 | 15 | 493 |
| " | Irish | 384 | | | 10 | 5 | | 40 | 75 | 250 | 150 | 100 | 75 | 5 | | | 30 | 5 | 720 |
| Totals | 18 | \$9,163 | | | 72 | 77 | \$483 | \$565 | \$1,061 | \$2,455 | \$1,020 | \$428 | \$410 | \$106 | \$22 | \$33 | \$272 | \$440 | \$7,345 |
| Averages | | 700.25 | | | 5.33 | 5.92 | 86.60 | 45.77 | 88.42 | 188.85 | 78.46 | 35.25 | 34.16 | 8.15 | | | 20.92 | 37.54 | 565 |

JANITORS.

| PLACE. | Nationality | ANNUAL EARNINGS OF— | | Total earnings | Number in family. | Number of rooms occupied | ANNUAL EXPENDITURES FOR— | | | | | | | | | | Total expenses | Surplus | Debt |
|----------|-------------|---------------------|------|----------------|-------------------|--------------------------|--------------------------|-------|-------|-----------|----------|-----------------|-----------|-------|----------------|--------------|----------------|----------|---------|
| | | Husband | Wife | Children | | | Rent | Fuel | Meat | Groceries | Clothing | Boots and shoes | Dry goods | Books | Life insurance | Trade unions | Sickness | Sundries | |
| Chicago | Am. | \$480 | | | 3 | 2 | \$120 | \$201 | \$50 | \$120 | \$120 | \$10 | \$6 | \$3 | | | | \$60 | \$490 |
| Moline | Irish | 540 | | | 3 | 3 | | 20 | | 125 | 40 | | | | | | | | 254 |
| Pontiac | Ger | 700 | | | 5 | 5 | | 55 | 60 | 125 | 25 | 15 | | | | | | 25 | 678 |
| Peoria | Am. | 450 | | | 4 | 3 | | 16 | 60 | 125 | 30 | 21 | 35 | 8 | | | | 20 | 321 |
| Totals | 4 | \$2,170 | | | 19 | 13 | \$120 | \$91 | \$170 | \$560 | \$315 | \$86 | \$116 | \$16 | \$18 | \$6 | \$30 | \$105 | \$1,733 |
| Averages | | 542.50 | | | 4.75 | 3.33 | | 27.75 | 55.66 | 165.78 | 75.28 | 28.60 | 38.66 | 4 | | | | 26.25 | 438.25 |

LABORERS.

[illegible]

Laborers—Continued.

| PLACE. | Nationality | ANNUAL EARN- INGS OF— | | | ANNUAL EXP. NDITURES FOR— | | | | | | | | | | | Total expenses.... | Surplus | Debt..... | | |
|----------------|-------------------|--------------------------|------------|-------------|---------------------------|-----------|------------|---------------|---------------|-------------------------|--------------|------------|--------------------------|--------------|---------------|--------------------|---------------|-----------|----------------|--|
| | | Husband .. | Wife | Children... | Rent..... | Fuel..... | Meat | Groceries.... | Clothing..... | Boots and shoes..... | Dry goods... | Books..... | Life Insur- ance..... | Trade unions | Sickness..... | | | | Sundries | |
| | | | | | | | | | | | | | | | | | | | | |
| Bloomington... | Irish..... | \$250 | | \$300 | 4 | 5 | | \$35 | \$25 | \$144 | \$30 | \$20 | \$25 | \$1 | | | \$10 | \$310 | \$210 | |
| " | " | 250 | | | 4 | 5 | | 25 | 25 | 100 | 10 | 15 | 20 | | | | 10 | 45 | 205 | |
| " | " | 360 | | | 2 | 3 | | 30 | 75 | 175 | 30 | 13 | 25 | | | | 10 | 20 | 310 | |
| " | " | 270 | | | 2 | 3 | | 25 | 50 | 125 | 30 | 15 | 25 | | | | 8 | 30 | 270 | |
| " | " | 300 | | | 5 | 4 | | 26 | 50 | 125 | 30 | 15 | 14 | | | | 5 | 25 | 375 | |
| " | " | 250 | | | 4 | 3 | \$72 | 20 | 40 | 125 | 30 | 15 | 30 | | | | 15 | 15 | 325 | |
| " | " | 275 | | | 4 | 3 | | 25 | 50 | 100 | 10 | 15 | 30 | | | | 10 | 76 | 260 | |
| " | " | 300 | | | 5 | 3 | | 50 | 85 | 150 | 40 | 30 | 25 | | | | 15 | 376 | 343 | |
| " | " | 300 | | | 5 | 3 | | 50 | 75 | 150 | 40 | 30 | 25 | | | | 10 | 43 | 343 | |
| " | " | 400 | | 624 | 4 | 4 | | 45 | 185 | 500 | 75 | 25 | 75 | | | | 50 | 59 | 965 | |
| " | " | 300 | | | 4 | 3 | | 30 | 75 | 100 | 40 | 10 | 25 | | | | 5 | 14 | 296 | |
| " | Ger..... | 300 | | 144 | 5 | 5 | | 20 | 60 | 125 | 25 | 13 | 25 | \$1 | | | 8 | 170 | 274 | |
| " | " | 300 | | | 5 | 5 | | 35 | 60 | 200 | 35 | 35 | 40 | | | | 5 | 105 | 405 | |
| " | " | 300 | | | 8 | 5 | | 30 | 60 | 150 | 25 | 15 | 30 | | | | 5 | 312 | 312 | |
| " | " | 250 | | | 4 | 4 | | 30 | 40 | 150 | 25 | 15 | 20 | | | | 5 | 12 | 285 | |
| " | Am..... | 300 | | | 3 | 3 | | 27 | 40 | 80 | 15 | 8 | 15 | | | | 2 | 70 | 372 | |
| " | " | 350 | \$100 | | 2 | 3 | | 50 | 75 | 175 | 25 | 20 | 40 | | | | 2 | 79 | 221 | |
| " | " | 180 | | | 4 | 2 | | 36 | | 70 | 15 | | 25 | | | | 2 | 54 | 392 | |
| Carlinville | " | 420 | | 200 | 7 | 2 | | 36 | 50 | 210 | 180 | 15 | 10 | | | | 10 | 118 | 507 | |
| " | Irish..... | 324 | | | 6 | 3 | | 30 | | 75 | 25 | 15 | 10 | | | | 10 | 15 | 255 | |
| " | Am..... | 315 | | | 3 | 3 | | 30 | | 125 | 100 | 15 | 40 | | | | 20 | 69 | 296 | |
| Centralla | Irish..... | 360 | 100 | | 8 | 5 | | 38 | 72 | 144 | 45 | 15 | 25 | | | | 10 | 20 | 444 | |
| " | Ger..... | 337 | | | 3 | 3 | | 60 | 60 | 144 | 25 | 12 | 25 | | | | 10 | 25 | 385 | |
| " | Am..... | 410 | 144 | | 4 | 3 | | 12 | 80 | 135 | 40 | 18 | 45 | | | | 5 | 15 | 427 | |
| " | Colored... | 315 | | 175 | 5 | 3 | | 36 | 72 | 180 | 75 | 18 | 50 | | | | 15 | 26 | 476 | |
| " | " | 210 | | | 3 | 3 | | 18 | 48 | 104 | 25 | 10 | 30 | | | | 25 | 13 | 385 | |
| " | Am..... | 810 | | 420 | 6 | 4 | | 18 | 120 | 180 | 50 | 18 | 50 | | | | 5 | 75 | 559 | |
| " | " | 390 | | | 4 | 4 | | 30 | 45 | 80 | 35 | 10 | 60 | | | | 15 | 20 | 201 | |
| " | Colored... | 210 | 125 | | 3 | 3 | | 30 | | 75 | 55 | 15 | 25 | | | | 50 | 25 | 311 | |
| " | " | 210 | 100 | 30 | 3 | 6 | | 30 | | 130 | 35 | 15 | 25 | | | | 20 | 5 | 336 | |
| " | Am..... | 264 | | | 3 | 3 | | 25 | 75 | 115 | 35 | 15 | 25 | | | | 20 | 25 | 390 | |
| " | Colored | 375 | 144 | 96 | 8 | 1 | | 35 | 60 | 144 | 50 | 15 | 75 | | | | 25 | 40 | 526 | |
| " | " | 270 | | 276 | 5 | 5 | | 40 | 96 | 180 | 100 | 25 | 40 | | | | 20 | 30 | 393 | |
| " | " | 300 | 144 | | 7 | 7 | | 20 | 60 | 180 | 35 | 18 | 30 | | | | 30 | 45 | 451 | |
| " | Am..... | 432 | | | 2 | 6 | | 27 | 15 | 144 | 45 | 18 | 35 | | | | 20 | 19 | | |

EARNINGS AND EXPENSES.

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[illegible]

Laborers—Continued.

| Place. | Nationality | ANNUAL EARNINGS OF— | | | ANNUAL EXPENDITURES FOR— | | | | | | | | | | | Total expenses.... | Surplus..... | Debt..... | | | | |
|---------------|-------------|---------------------|------------|-------------|--------------------------|-----------|-----------|--------------|-------------|----------------------|-------------|------------|---------------------|--------------|----------------|--------------------|--------------|-----------|----------------|---------|------|------|
| | | Husband .. | Wife | Children .. | Rent..... | Fuel..... | Meat..... | Groceries .. | Clothing .. | Boots and shoes..... | Dry goods.. | Books..... | Life insurance..... | Trade unions | Sickness | | | | Sundries | | | |
| | | | | | | | | | | | | | | | | | | | | | | |
| Chicago..... | Ger..... | \$380 | | \$510 | \$1,000 | 5 | 5 | \$130 | \$30 | | \$400 | \$200 | | \$200 | | \$6 | | \$8 | \$25 | \$1,018 | \$18 | \$18 |
| | Irish..... | 285 | | 128 | 418 | 4 | 4 | 96 | 21 | | 200 | 96 | | 10 | | | | 11 | | 359 | 56 | |
| Danville..... | Irish..... | 300 | | 210 | 510 | 4 | 2 | 21 | 12 | 24 | 100 | 60 | | 10 | | | | 8 | | 356 | 74 | |
| | | 300 | | 200 | 500 | 6 | 3 | 60 | 20 | 100 | 150 | 50 | \$20 | 25 | | 2 | | 15 | | 433 | 67 | |
| | Scotch..... | 90 | \$200 | | 290 | 2 | 2 | 60 | 10 | 60 | 60 | 25 | 10 | 10 | | 5 | | | | 260 | 30 | |
| | Ger..... | 270 | | | 270 | 4 | 1 | 48 | 16 | 60 | 100 | 15 | 10 | 10 | | | | 10 | | 339 | 11 | |
| | Eng..... | 414 | | | 414 | 3 | 3 | 24 | 24 | 75 | 200 | 35 | 30 | 20 | | | | | | 394 | 20 | |
| | Am..... | 262 | | | 262 | 4 | 1 | 36 | 10 | 60 | 100 | 80 | 20 | 20 | | | | | | 276 | 14 | |
| | | 135 | 155 | | 290 | 5 | 3 | 60 | 12 | 60 | 120 | 20 | 12 | 15 | | | | | | 359 | 9 | |
| | | 300 | | | 300 | 3 | 3 | 60 | 15 | 90 | 130 | 20 | 16 | 15 | | | | | | 327 | 56 | |
| | | 66 | | | 66 | 3 | 3 | | 15 | | 240 | | 10 | 10 | | 2 | | | | 327 | 261 | |
| | | 360 | | 75 | 435 | 3 | 2 | 48 | | 100 | 150 | 75 | 20 | 15 | | | | | | 405 | | |
| | | 468 | | | 468 | 5 | 3 | 60 | 20 | 75 | 100 | 100 | 20 | 35 | | 5 | | | | 357 | 63 | |
| | | 360 | | 250 | 610 | 6 | 5 | 120 | 30 | 100 | 150 | 90 | 50 | 50 | | 12 | | | | 561 | 11 | |
| | | 450 | | 100 | 550 | 6 | 4 | 60 | 20 | 75 | 150 | 30 | 35 | 40 | | 2 | | | | 352 | 253 | |
| | | 450 | | | 450 | 6 | 4 | 60 | 20 | 60 | 120 | 60 | 30 | 40 | | 2 | | | | 409 | 68 | |
| | | 291 | | 105 | 396 | 6 | 3 | 72 | 20 | 60 | 120 | 30 | 18 | 25 | | 2 | | | | 499 | 10 | |
| | | 480 | | | 480 | 3 | 2 | 96 | 25 | 60 | 240 | 30 | 10 | 25 | | 2 | | | | 377 | 19 | |
| | | 360 | | | 360 | 3 | 2 | 30 | 20 | 100 | 150 | 40 | 10 | 25 | | 2 | | | | 377 | 17 | |
| | | 459 | | | 459 | 3 | 3 | | 15 | 72 | 130 | 50 | 30 | 40 | | 10 | | | | 360 | 96 | |
| | | 315 | | | 315 | 5 | 2 | | 21 | 50 | 75 | 50 | 20 | 25 | | | | | | 349 | 66 | |
| | | 358 | | | 358 | 3 | 3 | | 48 | | 140 | 60 | 12 | 15 | | 2 | | | | 388 | 70 | |
| | | 496 | | | 496 | 3 | 3 | | 42 | 50 | 75 | 50 | 20 | 25 | | | | | | 347 | 89 | |
| | | 50 | | 25 | 75 | 6 | 2 | | 16 | 50 | 100 | 80 | | 15 | | | | | | 150 | 76 | |
| | | 520 | | | 520 | 4 | 4 | 78 | 24 | 100 | 150 | 30 | 20 | 20 | | 10 | | | | 438 | 82 | |
| | | 468 | | | 468 | 4 | 5 | 78 | 24 | 80 | 130 | 30 | 25 | 10 | | 5 | | 10 | | 407 | 61 | |
| | | 356 | | | 356 | 2 | 2 | 60 | 12 | 75 | 150 | 15 | 15 | 15 | | | | | | 262 | 74 | |
| | | 900 | | 120 | 1,020 | 4 | 1 | 36 | 10 | 75 | 125 | 30 | 15 | 10 | | | | 25 | | 926 | 94 | |
| | | 356 | | | 356 | 3 | 3 | 18 | 18 | 85 | 125 | 40 | 12 | 25 | | | | | | 945 | 31 | |
| | | 324 | | | 324 | 3 | 2 | 60 | 16 | 60 | 120 | 20 | 15 | 20 | | | | | | 323 | 1 | |
| | | 187 | 150 | | 337 | 3 | 3 | 45 | 10 | 75 | 175 | 25 | 30 | 15 | | 2 | | | | 388 | 51 | |
| | | 302 | | | 302 | 5 | 3 | 24 | 50 | 50 | 100 | 25 | 15 | 15 | | | | | | 231 | 71 | |
| | | 225 | | | 225 | 3 | 3 | 72 | 25 | 15 | 135 | 15 | 10 | 15 | | | | | | 900 | 46 | |
| | | 225 | 100 | | 325 | 4 | 2 | 60 | 15 | 60 | 110 | 20 | 12 | 20 | | | | | | 271 | 27 | |

EARNINGS AND EXPENSES.

| | | | | | | | | | | | | | | | | | |
|----------------|---------|-----|-----|-----|-----|-----|-----|----|-----|-----|-----|-----|-----|----|----|-----|-----|
| Danville | Am | 300 | 300 | 350 | 320 | 380 | 780 | 3 | 48 | 16 | 100 | 100 | 40 | 25 | 30 | 5 | 340 |
| " | " | 330 | 330 | 350 | 350 | 350 | 432 | 4 | 78 | 25 | 150 | 150 | 75 | 40 | 40 | 6 | 580 |
| " | Irish | 300 | 300 | 300 | 300 | 300 | 330 | 5 | 34 | 15 | 60 | 60 | 15 | 15 | 15 | 4 | 312 |
| DuQuoin | Am | 288 | 300 | 300 | 300 | 300 | 330 | 6 | 34 | 24 | 180 | 240 | 50 | 40 | 20 | 8 | 184 |
| " | " | 330 | 330 | 330 | 330 | 330 | 330 | 5 | 36 | 15 | 50 | 50 | 80 | 40 | 30 | 5 | 698 |
| " | " | 310 | 340 | 340 | 340 | 340 | 340 | 4 | 30 | 12 | 100 | 100 | 20 | 35 | 10 | 1 | 330 |
| " | " | 436 | 436 | 436 | 436 | 436 | 436 | 4 | 48 | 10 | 25 | 25 | 25 | 12 | 75 | 1 | 387 |
| East St. Louis | Irish | 316 | 50 | 50 | 50 | 50 | 316 | 7 | 216 | 24 | 75 | 25 | 35 | 35 | 10 | 4 | 326 |
| " | " | 312 | 540 | 180 | 180 | 180 | 312 | 5 | 192 | 300 | 210 | 210 | 50 | 10 | 10 | 4 | 741 |
| " | " | 469 | 469 | 469 | 469 | 469 | 469 | 6 | 66 | 25 | 150 | 150 | 10 | 10 | 10 | 5 | 372 |
| " | Dane | 480 | 480 | 480 | 480 | 480 | 480 | 3 | 96 | 25 | 150 | 150 | 30 | 20 | 20 | 3 | 469 |
| " | Am | 360 | 156 | 84 | 84 | 84 | 360 | 9 | 60 | 16 | 45 | 240 | 30 | 15 | 28 | 10 | 437 |
| " | Ger | 702 | 702 | 702 | 702 | 702 | 702 | 7 | 60 | 30 | 100 | 150 | 30 | 35 | 1 | 3 | 515 |
| " | Irish | 469 | 469 | 469 | 469 | 469 | 469 | 4 | 36 | 25 | 85 | 150 | 50 | 50 | 5 | 5 | 469 |
| " | Am | 468 | 468 | 468 | 468 | 468 | 468 | 2 | 96 | 30 | 125 | 150 | 50 | 30 | 35 | 5 | 453 |
| " | Ger | 714 | 714 | 714 | 714 | 714 | 714 | 2 | 120 | 30 | 150 | 150 | 50 | 20 | 25 | 2 | 417 |
| " | Irish | 316 | 316 | 316 | 316 | 316 | 316 | 5 | 60 | 10 | 100 | 100 | 50 | 10 | 10 | 5 | 330 |
| Elgin | Am | 360 | 360 | 360 | 360 | 360 | 360 | 7 | 36 | 10 | 84 | 200 | 40 | 20 | 20 | 10 | 360 |
| Equality | " | 225 | 225 | 225 | 225 | 225 | 225 | 4 | 10 | 40 | 100 | 250 | 50 | 50 | 25 | 2 | 360 |
| " | " | 162 | 45 | 45 | 45 | 45 | 162 | 2 | 32 | 21 | 95 | 95 | 31 | 15 | 10 | 2 | 338 |
| " | " | 324 | 315 | 315 | 315 | 315 | 324 | 5 | 36 | 16 | 48 | 15 | 15 | 15 | 15 | 3 | 310 |
| Freeport | Irish | 300 | 50 | 50 | 50 | 50 | 300 | 7 | 36 | 19 | 91 | 91 | 32 | 17 | 16 | 2 | 305 |
| " | Am | 324 | 324 | 324 | 324 | 324 | 324 | 6 | 60 | 40 | 150 | 150 | 60 | 30 | 30 | 1 | 324 |
| " | Ger | 360 | 360 | 360 | 360 | 360 | 360 | 4 | 60 | 30 | 60 | 72 | 40 | 30 | 10 | 5 | 371 |
| " | Irish | 324 | 50 | 50 | 50 | 50 | 324 | 2 | 60 | 42 | 96 | 100 | 35 | 25 | 20 | 6 | 324 |
| Galeana | Am | 186 | 186 | 186 | 186 | 186 | 186 | 9 | 36 | 25 | 50 | 150 | 150 | 30 | 30 | 5 | 245 |
| " | " | 432 | 432 | 432 | 432 | 432 | 432 | 10 | 36 | 30 | 48 | 200 | 150 | 20 | 20 | 6 | 500 |
| " | Ger | 285 | 108 | 108 | 108 | 108 | 285 | 3 | 36 | 36 | 50 | 200 | 175 | 20 | 18 | 3 | 540 |
| " | Irish | 315 | 315 | 315 | 315 | 315 | 315 | 9 | 54 | 24 | 92 | 175 | 80 | 30 | 30 | 8 | 550 |
| " | Am | 468 | 250 | 250 | 250 | 250 | 468 | 7 | 60 | 38 | 180 | 180 | 150 | 12 | 12 | 3 | 540 |
| Fulton | Irish | 360 | 360 | 360 | 360 | 360 | 360 | 7 | 60 | 60 | 72 | 180 | 150 | 10 | 10 | 25 | 525 |
| " | " | 270 | 50 | 50 | 50 | 50 | 270 | 2 | 60 | 20 | 60 | 175 | 100 | 30 | 30 | 430 | 590 |
| " | " | 600 | 600 | 600 | 600 | 600 | 600 | 4 | 60 | 30 | 250 | 250 | 150 | 50 | 50 | 10 | 590 |
| Galeaburg | Am | 315 | 315 | 315 | 315 | 315 | 315 | 3 | 72 | 30 | 60 | 90 | 60 | 20 | 20 | 15 | 344 |
| " | Colored | 234 | 150 | 125 | 125 | 125 | 234 | 2 | 48 | 30 | 32 | 50 | 40 | 18 | 25 | 30 | 298 |
| " | Scam | 324 | 324 | 324 | 324 | 324 | 324 | 5 | 30 | 20 | 25 | 50 | 45 | 35 | 20 | 6 | 324 |
| " | " | 350 | 350 | 350 | 350 | 350 | 350 | 10 | 44 | 35 | 10 | 150 | 75 | 26 | 15 | 10 | 320 |
| " | " | 380 | 380 | 380 | 380 | 380 | 380 | 3 | 30 | 20 | 25 | 120 | 60 | 18 | 18 | 4 | 315 |
| " | " | 312 | 312 | 312 | 312 | 312 | 312 | 3 | 60 | 30 | 35 | 80 | 50 | 22 | 22 | 35 | 477 |
| " | Am | 25 | 25 | 25 | 25 | 25 | 25 | 8 | 60 | 30 | 100 | 100 | 30 | 35 | 30 | 25 | 380 |
| Joliet | Colored | 578 | 200 | 8 | 8 | 8 | 578 | 7 | 60 | 40 | 135 | 110 | 40 | 40 | 40 | 8 | 483 |
| " | Am | 400 | 400 | 400 | 400 | 400 | 400 | 4 | 40 | 20 | 65 | 120 | 50 | 25 | 20 | 3 | 537 |
| " | " | 312 | 312 | 312 | 312 | 312 | 312 | 2 | 60 | 17 | 50 | 155 | 50 | 10 | 10 | 49 | 537 |
| " | " | 444 | 444 | 444 | 444 | 444 | 444 | 7 | 40 | 25 | 180 | 180 | 50 | 20 | 20 | 25 | 444 |

EARNINGS AND EXPENSES.

[illegible]

Laborers—Continued.

| PLACE. | Nationality | ANNUAL EARNINGS OF— | | | ANNUAL EXPENDITURES FOR— | | | | | | | | | | | | Total earnings | Number in family. | Number of rooms occupied. | Rent | Fuel | Meat | Groceries | Clothing | Boots and shoes | Dry goods | Books | Life insurance | Trade unions | Sickness | Sundries | Total expenses | Surplus | Debt | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--------|-------------|---------------------|------|----------|--------------------------|----------|--------------|----------------|-------|-----------|-----------------|----------|-----------|------|------|------|----------------|-------------------|---------------------------|------|------|------|-----------|----------|-----------------|-----------|-------|----------------|--------------|----------|----------|----------------|---------|------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
| | | Husband | Wife | Children | Sundries | Sickness | Trade unions | Life insurance | Books | Dry goods | Boots and shoes | Clothing | Groceries | Meat | Fuel | Rent | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| Peoria | Am | \$360 | | \$75 | \$495 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

Laborers—Continued.

| PLACE. | Nationality | ANNUAL EARNINGS OF— | | | ANNUAL EXPENDITURES FOR— | | | | | | | | | | | | Total expenses | Surplus | Debt |
|----------|-------------|---------------------|------------|----------|--------------------------|--------|--------|-----------|----------|-----------------|-----------|---------|----------------|--------------|----------|----------|----------------|----------|-------|
| | | Husband | Wife | Children | Rent | Fuel | Meat | Groceries | Clothing | Boots and shoes | Dry goods | Books | Life insurance | Trade unions | Sickness | Sundries | | | |
| Sterling | Irish | \$375 | | | | \$35 | 50 | \$150 | \$75 | \$35 | \$25 | \$5 | | | \$10 | \$5 | \$390 | \$15 | |
| | Am. | 552 | | | | 48 | 52 | 104 | 50 | 30 | 50 | | | 20 | | | 424 | \$128 | |
| Totals | 397 | \$136,799 | \$4,438-23 | 130 | \$164,967 | 10,766 | 17,790 | \$38,355 | 19,335 | \$6,462 | \$7,638 | \$1,688 | \$304 | \$154 | \$5,512 | \$6,464 | \$154,185 | \$18,682 | \$500 |
| Averages | | 344.59 | | | 414.02 | 27.12 | 57.39 | 146.99 | 46.88 | 19.98 | 23.82 | 4.20 | | | 13.88 | 16.28 | 388.98 | 93 | 61 |

LABORERS (RAILROAD).

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| Alton..... | Irish | \$330 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |</ |
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EARNINGS AND EXPENSES.

12

LABORERS (COAL MINES).

| | | | | | | | | | | | | | | | | | | | | |
|--------------|-------|---------|-------|---------|----|----|------|-------|-------|---------|---------|-------|-------|-------|------|------|-------|-------|---------|---------|
| Coal City | Irish | \$227 | \$770 | \$1,097 | 8 | 9 | 5 | | \$35 | \$108 | \$180 | \$80 | \$20 | \$60 | \$7 | | | \$125 | \$885 | \$292 |
| Collinsville | Nean | 416 | | 416 | 4 | 4 | 3 | | 15 | 60 | 180 | 30 | 10 | 20 | 4 | | | 35 | 376 | 40 |
| " | Eng. | 432 | | 432 | 4 | 4 | 3 | | 12 | 65 | 125 | 15 | 10 | 20 | 1 | | | 50 | 390 | 52 |
| " | Am. | 576 | | 576 | 4 | 4 | 3 | | 72 | 83 | 115 | 27 | 21 | 13 | 1 | | | 50 | 450 | 126 |
| " | " | 389 | | 389 | 4 | 4 | 3 | | 60 | 75 | 100 | 25 | 15 | 15 | 1 | | | 30 | 380 | 9 |
| " | " | 420 | | 420 | 4 | 4 | 3 | | 72 | 85 | 135 | 31 | 20 | 15 | 1 | | | 23 | 402 | 18 |
| " | " | 675 | | 675 | 4 | 4 | 3 | | 90 | 90 | 175 | 31 | 17 | 16 | 1 | | | 29 | 525 | 152 |
| Equality | " | 416 | | 416 | 4 | 4 | 3 | | 36 | 24 | 75 | 31 | 17 | 16 | 1 | | | 50 | 320 | 96 |
| Gardner | Eng. | 225 | \$25 | 112 | 6 | 4 | 2 | | 27 | 32 | 156 | 20 | 37 | 75 | 2 | | | 10 | 362 | 4 |
| Gartside | Dane | 230 | | 230 | 4 | 4 | 3 | | 48 | 30 | 90 | 18 | 20 | 15 | 1 | | | 6 | 252 | \$22 |
| " | Eng. | 420 | | 420 | 4 | 4 | 3 | | 60 | 78 | 110 | 40 | 20 | 15 | 1 | | | 30 | 391 | 20 |
| " | Ger. | 420 | | 420 | 4 | 4 | 3 | | 60 | 78 | 95 | 25 | 10 | 15 | 1 | | | 25 | 353 | 87 |
| " | Eng. | 420 | | 420 | 4 | 4 | 3 | | 72 | 80 | 125 | 30 | 20 | 15 | 1 | | | 25 | 423 | 3 |
| " | Ger. | 420 | | 420 | 4 | 4 | 3 | | 60 | 80 | 125 | 30 | 20 | 15 | 1 | | | 30 | 432 | 48 |
| Pekin | " | 408 | | 408 | 4 | 4 | 3 | | 60 | 65 | 125 | 75 | 10 | 20 | 1 | | | 45 | 350 | 58 |
| Streator | Am. | 540 | | 540 | 4 | 4 | 3 | | 60 | 100 | 225 | 67 | 25 | 25 | 1 | | | 25 | 505 | 85 |
| " | Ger. | 400 | | 400 | 4 | 4 | 3 | | 10 | 72 | 220 | 50 | 20 | 25 | 2 | | | 9 | 400 | ..... |
| " | Eng. | 520 | | 520 | 4 | 4 | 3 | | 20 | 60 | 180 | 40 | 20 | 40 | 4 | | | 146 | 520 | ..... |
| " | Welsh | 750 | | 750 | 4 | 4 | 3 | | 20 | ..... | 540 | 36 | ..... | ..... | 20 | 13 | | 15 | 644 | 106 |
| Totals | 19 | \$8,474 | \$25 | \$882 | 89 | 84 | 69 | \$768 | \$333 | \$1,206 | \$3,477 | \$702 | \$254 | \$394 | \$81 | \$37 | \$2 | \$394 | \$8,348 | \$1,058 |
| Averages | ..... | 446 | ..... | 493 | 73 | 42 | 3.63 | 64 | 17 | 53 | 70 | 36 | 19 | 54 | 4 | 26 | ..... | 20 | 439 | 75 |

LARD RENDERER.

| | | | | | | | | | | | | | | | | | | | | | |
|----------------|------|-------|-------|-------|---|---|-------|-------|------|------|-------|------|------|------|-------|-------|------|------|-------|------|-------|
| East St. Louis | Ger. | \$546 | | \$546 | 6 | 3 | | \$120 | \$30 | \$80 | \$175 | \$25 | \$18 | \$30 | | | \$12 | \$40 | \$530 | \$16 | |
|----------------|------|-------|-------|-------|---|---|-------|-------|------|------|-------|------|------|------|-------|-------|------|------|-------|------|-------|

LATHER.

| | | | | | | | | | | | | | | | | | | | | | |
|-----------|----|-------|-------|-------|---|---|-------|------|-------|-------|------|------|------|-----|-------|-------|-----|------|-------|-------|-------|
| Champaign | Am | \$494 | | \$494 | 3 | 7 | | \$24 | | \$250 | \$15 | \$19 | \$13 | \$4 | | | \$7 | \$25 | \$357 | \$137 | |
|-----------|----|-------|-------|-------|---|---|-------|------|-------|-------|------|------|------|-----|-------|-------|-----|------|-------|-------|-------|

LAUNDRYMEN.

| PLACE. | Nationality | ANNUAL EARN- INGS OF— | | | ANNUAL EXPENDITURES FOR— | | | | | | | | | | | Total expenses.... | Surplus | Debt..... | | | |
|----------------|-------------------|--------------------------|-----------|-------------|--------------------------|----------------------------------|-----------|-----------|-----------|--------------|---------------|--------------------------|--------------|------------|---------------------------|--------------------|---------------|---------------|--------|-------|-------|
| | | Husband .. | Wife..... | Children... | Number in family. | Number of rooms occupied..... | Rent..... | Fuel..... | Meat..... | Groceries... | Clothing..... | Boots and shoes | Dry goods... | Books..... | Life insur- ance | Trade unions | Sickness..... | Sundries..... | | | |
| Champaign..... | Am..... | \$900 | ..... | ..... | 4 | 3 | \$144 | \$100 | ..... | \$200 | \$125 | ..... | ..... | ..... | ..... | ..... | \$10 | \$50 | \$6.9 | \$271 | ..... |
| Danville..... | ..... | 300 | ..... | ..... | 3 | 2 | ..... | 20 | ..... | 75 | 150 | ..... | ..... | ..... | ..... | ..... | ..... | 45 | 300 | ..... | ..... |
| Totals..... | 3 | \$1,200 | ..... | ..... | 7 | 5 | \$144 | \$120 | ..... | \$275 | \$275 | ..... | ..... | \$10 | ..... | ..... | \$10 | \$95 | \$928 | \$271 | ..... |
| Averages..... | ..... | 600 | ..... | ..... | 3.5 | 2.5 | 60 | 60 | ..... | 137.50 | 137.50 | ..... | ..... | 5 | ..... | ..... | 5 | 43.50 | 464.50 | ..... | ..... |

LEAD MINERS.

| | | | | | | | | | | | | | | | | | | | | | | |
|---------------|------------|-------|-------|-------|---|---|-------|-------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Galena..... | Swiss..... | \$528 | ..... | ..... | 3 | 3 | \$36 | \$20 | \$40 | \$150 | \$50 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | \$125 | \$40 | \$470 | ..... |
| | Irish..... | 262 | ..... | 100 | 5 | 5 | ..... | 35 | 50 | 150 | 75 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 40 | 358 | ..... |
| Totals..... | 2 | \$790 | ..... | \$100 | 8 | 8 | \$36 | \$55 | \$90 | \$300 | \$125 | ..... | ..... | \$8 | ..... | ..... | ..... | \$125 | \$89 | \$828 | ..... |  |
| Averages..... | ..... | 395 | ..... | ..... | 4 | 4 | ..... | 27 50 | 45 | 150 | 62 50 | ..... | ..... | 4 | ..... | ..... | ..... | 62 50 | 40 | 424 | 31 | |

LUMBER HANDLERS.

| Place | Nationality | ANNUAL EARNINGS OF— | | | ANNUAL EXPENDITURES FOR— | | | | | | | | | | | Total expenses | Surplus | Debt | | |
|-----------|-------------|---------------------|-------|----------|--------------------------|--------------------------|------|------|-------|-----------|----------|-----------------|-----------|-------|----------------|----------------|---------|------|--------------|----------|
| | | Husband | Wife | Children | Number in family | Number of rooms occupied | Rent | Fuel | Meat | Groceries | Clothing | Boots and shoes | Dry goods | Books | Life insurance | | | | Trade unions | Sickness | Sundries |
| Champaign | Am. | \$490 | ..... | ..... | 3 | 4 | \$84 | \$75 | ..... | \$125 | \$15 | \$25 | \$30 | \$3 | \$100 | ..... | ..... | \$15 | \$197 | \$17 |
| Chicago | Can. | 450 | ..... | ..... | 3 | 2 | 43 | 20 | ..... | 200 | 57 | ..... | ..... | ..... | ..... | ..... | ..... | 20 | 345 | ..... |
| " | Romanian | 320 | ..... | 80 | 4 | 103 | 103 | 20 | ..... | 175 | 75 | ..... | ..... | ..... | ..... | ..... | ..... | 20 | 403 | 3 |
| " | Ger. | 550 | ..... | ..... | 7 | 3 | 63 | 25 | \$200 | 304 | 25 | 30 | 50 | 10 | ..... | ..... | ..... | 5 | 713 | 163 |
| Averages | ..... | 300 | ..... | 200 | 7 | 3 | 56 | 30 | ..... | 270 | 56 | ..... | ..... | ..... | ..... | ..... | ..... | 10 | 40 | 502 |

MACHINISTS.

| | | | | | | | | | | | | | | | | |
|------------|-------|---------|---------|--------|-------|-------|--------|---------|-------|-------|-------|------|-------|-------|---------|-------|
| Freeport. | Am. | 600 | 400 | 4 | 120 | 50 | 100 | 90 | 60 | 25 | 20 | 19 | 16 | 12 | 510 | 90 |
| Galesburg. | Scan. | 483 | 483 | 2 | 96 | 25 | 25 | 100 | 55 | 20 | 45 | 5 | ..... | 20 | 301 | 92 |
| Totals. | 7 | \$3,465 | \$3,465 | 35 | \$620 | \$206 | \$325 | \$1,266 | \$373 | \$100 | \$145 | \$35 | \$100 | \$162 | \$3,361 | \$287 |
| Averages. | ..... | 494 71 | 494 71 | \$3.43 | 88 57 | 29 29 | 108 33 | 180 86 | 53 29 | 25 | 36 25 | 5 | 4 29 | 23 14 | 480 14 | 96 46 |

MACHINISTS.

| | | | | | | | | | | | | | | | | | |
|-----------------|--------|----------|----------|--------|---------|---------|---------|---------|---------|-------|---------|-------|---------|-------|----------|---------|---|
| Alton. | Scotch | \$460 | 3 | 2 | 3 | 2 | 3 | 2 | 3 | 2 | 3 | 2 | 3 | 2 | 3 | 2 | 3 |
| Aurora. | Am. | 328 | 328 | 40 | 48 | 156 | 156 | 85 | 20 | 12 | 40 | 2 | 25 | 10 | 287 | \$391 | |
| Belleville. | Swiss. | 540 | 540 | 120 | 120 | 37 | 37 | 120 | 37 | 120 | 37 | 120 | 37 | 120 | 37 | 120 | |
| Belleville. | Ger. | 843 | 843 | 96 | 96 | 20 | 20 | 70 | 180 | 50 | 35 | 20 | 25 | 10 | 551 | 41 | |
| " | " | 600 | 600 | 96 | 96 | 20 | 20 | 70 | 180 | 50 | 35 | 20 | 25 | 10 | 551 | 41 | |
| " | " | 648 | 648 | 120 | 120 | 28 | 28 | 80 | 108 | 110 | 35 | 20 | 25 | 10 | 622 | 181 | |
| " | " | 748 | 748 | 120 | 120 | 28 | 28 | 80 | 108 | 110 | 35 | 20 | 25 | 10 | 622 | 181 | |
| Bloomington. | Am. | 402 | 402 | 84 | 84 | 20 | 20 | 70 | 180 | 50 | 35 | 20 | 25 | 10 | 676 | 134 | |
| Centralia. | Eng. | 650 | 650 | 120 | 120 | 28 | 28 | 80 | 108 | 110 | 35 | 20 | 25 | 10 | 676 | 134 | |
| Chicago. | Ger. | 592 | 592 | 120 | 120 | 28 | 28 | 80 | 108 | 110 | 35 | 20 | 25 | 10 | 676 | 134 | |
| Chicago. | Am. | 705 | 705 | 120 | 120 | 28 | 28 | 80 | 108 | 110 | 35 | 20 | 25 | 10 | 676 | 134 | |
| Chicago. | " | 544 | 544 | 100 | 100 | 25 | 25 | 75 | 90 | 90 | 15 | 10 | 40 | 20 | 419 | 72 | |
| Danville. | " | 400 | 400 | 80 | 80 | 20 | 20 | 70 | 180 | 50 | 35 | 20 | 25 | 10 | 560 | 90 | |
| East St. Louis. | Irish | 840 | 840 | 120 | 120 | 28 | 28 | 80 | 108 | 110 | 35 | 20 | 25 | 10 | 560 | 90 | |
| " | " | 730 | 730 | 120 | 120 | 28 | 28 | 80 | 108 | 110 | 35 | 20 | 25 | 10 | 560 | 90 | |
| " | " | 861 | 861 | 120 | 120 | 28 | 28 | 80 | 108 | 110 | 35 | 20 | 25 | 10 | 560 | 90 | |
| " | " | 739 | 739 | 120 | 120 | 28 | 28 | 80 | 108 | 110 | 35 | 20 | 25 | 10 | 560 | 90 | |
| Elgin. | Am. | 1,000 | 1,000 | 40 | 40 | 60 | 60 | 150 | 110 | 110 | 75 | 4 | 8 | 40 | 399 | 15 | |
| Galesburg. | Am. | 780 | 780 | 40 | 40 | 60 | 60 | 150 | 110 | 110 | 75 | 4 | 8 | 40 | 399 | 15 | |
| Galesburg. | Scan. | 624 | 624 | 35 | 35 | 30 | 30 | 45 | 160 | 110 | 40 | 5 | 35 | 30 | 665 | 115 | |
| Mattoon. | " | 748 | 748 | 35 | 35 | 30 | 30 | 45 | 160 | 110 | 40 | 5 | 35 | 30 | 665 | 115 | |
| Moline. | " | 780 | 780 | 35 | 35 | 30 | 30 | 45 | 160 | 110 | 40 | 5 | 35 | 30 | 665 | 115 | |
| Pekin. | " | 760 | 760 | 35 | 35 | 30 | 30 | 45 | 160 | 110 | 40 | 5 | 35 | 30 | 665 | 115 | |
| Pekin. | " | 378 | 378 | 25 | 25 | 20 | 20 | 30 | 100 | 15 | 15 | 8 | 10 | 10 | 278 | 470 | |
| Peoria. | " | 900 | 900 | 30 | 30 | 25 | 25 | 40 | 140 | 180 | 15 | 10 | 10 | 10 | 438 | 342 | |
| Peoria. | " | 703 | 703 | 30 | 30 | 25 | 25 | 40 | 140 | 180 | 15 | 10 | 10 | 10 | 444 | 316 | |
| Quincy. | " | 620 | 620 | 30 | 30 | 25 | 25 | 40 | 140 | 180 | 15 | 10 | 10 | 10 | 444 | 316 | |
| Rock Island. | " | 660 | 660 | 30 | 30 | 25 | 25 | 40 | 140 | 180 | 15 | 10 | 10 | 10 | 444 | 316 | |
| Springfield. | Ger. | 798 | 798 | 30 | 30 | 25 | 25 | 40 | 140 | 180 | 15 | 10 | 10 | 10 | 444 | 316 | |
| Sterling. | Am. | 750 | 750 | 30 | 30 | 25 | 25 | 40 | 140 | 180 | 15 | 10 | 10 | 10 | 444 | 316 | |
| Streator. | Scotch | 723 | 723 | 30 | 30 | 25 | 25 | 40 | 140 | 180 | 15 | 10 | 10 | 10 | 444 | 316 | |
| Urbana. | Irish | 702 | 702 | 30 | 30 | 25 | 25 | 40 | 140 | 180 | 15 | 10 | 10 | 10 | 444 | 316 | |
| Totals. | 35 | \$23,506 | \$23,506 | \$1.15 | \$2,582 | \$1,115 | \$2,584 | \$6,500 | \$2,500 | \$318 | \$1,136 | \$349 | \$1,123 | \$389 | \$19,713 | \$4,880 | |
| Averages. | ..... | 671 60 | 671 60 | 145 14 | 103 28 | 31 86 | 75 94 | 185 71 | 73 51 | 23 21 | 42 07 | 9 97 | 21 54 | 39 83 | 563 23 | 174 | |

MACHINISTS (RAILROAD.)

| PLACE. | Nationality | ANNUAL EARNINGS OF— | | | ANNUAL EXPENDITURES FOR— | | | | | | | | | | | | Total expenses.... | Surplus | Debt..... |
|---------------------------|-------------|---------------------|-----------|-------------|--------------------------|-----------|-----------|---------------|--------------|----------------------|--------------|-------------|---------------------|--------------|---------------|---------------|--------------------|---------------|-----------|
| | | Husband .. | Wife..... | Children... | Rent..... | Fuel..... | Meat..... | Groceries.... | Clothing.... | Boots and shoes..... | Dry goods... | Books | Life insurance..... | Trade unions | Sickness..... | Sundries..... | | | |
| Champaign..... | Ger..... | \$180 | ..... | \$55 | ..... | \$23 | ..... | \$300 | \$190 | ..... | ..... | \$5 | ..... | ..... | \$25 | \$31 | \$634 | ..... | \$99 |
| East St. Louis... Am..... | ..... | 600 | ..... | ..... | ..... | 25 | ..... | 300 | 120 | ..... | ..... | 2 | ..... | ..... | ..... | 114 | 591 | \$9 | ..... |
| ..... | ..... | 882 | ..... | ..... | ..... | 20 | ..... | 120 | 100 | ..... | ..... | 30 | ..... | ..... | ..... | 15 | 415 | 467 | ..... |
| ..... | ..... | 912 | ..... | 648 | \$120 | 25 | ..... | 360 | 150 | ..... | ..... | 10 | \$17 | ..... | 50 | 40 | 1,052 | 508 | ..... |
| ..... | Ger..... | 592 | ..... | ..... | 96 | 15 | ..... | 135 | 25 | 10 | 20 | 5 | ..... | ..... | 20 | 25 | 416 | 176 | ..... |
| Galesburg..... | Dane..... | 720 | ..... | 60 | ..... | 35 | ..... | 120 | 110 | 40 | 100 | 10 | ..... | ..... | 50 | 40 | 545 | 235 | ..... |
| ..... | Am..... | 700 | ..... | 104 | 150 | 40 | ..... | 105 | 85 | 23 | 60 | 12 | ..... | ..... | 30 | 50 | 665 | 139 | ..... |
| Totals..... | 7 | \$4,896 | ..... | \$867 | \$366 | \$183 | \$430 | \$1,560 | \$810 | \$103 | \$285 | \$74 | \$17 | ..... | \$175 | \$315 | \$4,318 | \$1,534 | \$99 |
| Averages..... | ..... | 698 | ..... | ..... | 122 | 26 14 | 86 | 222 81 | 115 71 | 25 75 | 77 | 10 57 | ..... | ..... | 25 | 45 | 616 86 | 255 | ..... |

MACHINE MINERS.

| | | | | | | | | | | | | | | | | | | | |
|-------------------|---------|---------|-------|-------|-------|------|-------|--------|-------|-------|-------|------|-------|-------|-------|-------|---------|-------|-------|
| Collinsville..... | Am..... | \$648 | ..... | ..... | ..... | \$72 | \$15 | \$80 | \$25 | \$20 | \$20 | \$3 | ..... | ..... | \$20 | \$25 | \$63 | \$185 | ..... |
| ..... | ..... | 648 | ..... | ..... | ..... | 84 | 15 | 90 | 40 | 22 | 25 | 2 | ..... | ..... | 25 | 50 | 531 | 117 | ..... |
| ..... | ..... | 648 | ..... | ..... | ..... | 20 | 84 | 75 | 40 | 20 | 15 | 2 | ..... | ..... | 50 | 50 | 347 | 301 | ..... |
| Streator..... | ..... | 820 | ..... | ..... | ..... | 18 | 72 | 240 | 25 | 25 | 60 | 30 | \$20 | ..... | 15 | 12 | 611 | 219 | ..... |
| Totals..... | 4 | \$2,764 | ..... | ..... | ..... | \$68 | \$317 | \$665 | \$130 | \$87 | \$120 | \$37 | \$20 | \$6 | \$140 | \$112 | \$1,942 | \$822 | ..... |
| Averages..... | ..... | 691 | ..... | ..... | ..... | 17 | 79 25 | 166 25 | 32 50 | 21 75 | 30 | 6 75 | ..... | ..... | 35 | 28 | 485 50 | 205 | ..... |

MALSTERS.

| | | | | | | | | | | | | | | | | | | | | | | | |
|---------------|------------|---------|-------|-------|-----|----|-------|-------|-------|-------|-------|----------|-------|------|-------|-------|-------|-------|-------|---------|---------|-------|-------|
| Chicago..... | Irish..... | \$376 | ..... | ..... | 3 | 3 | 8 | \$108 | \$30 | ..... | \$300 | \$70 | ..... | \$15 | ..... | \$20 | ..... | \$5 | ..... | \$30 | \$43 | \$576 | ..... |
| Peoria..... | ..... | 624 | ..... | ..... | 3 | 2 | 2 | 60 | 20 | ..... | 175 | 30 | ..... | 30 | 20 | 25 | ..... | 7 | ..... | 50 | 376 | \$249 | ..... |
| ..... | Ger..... | 624 | ..... | ..... | 3 | 4 | 108 | 36 | \$72 | ..... | 120 | 30 | ..... | 20 | 25 | ..... | ..... | ..... | ..... | 50 | 478 | 146 | ..... |
| ..... | ..... | 550 | ..... | ..... | 4 | 2 | 60 | 18 | 30 | ..... | 80 | 40 | ..... | 35 | 15 | ..... | ..... | ..... | ..... | 10 | 281 | 269 | ..... |
| ..... | ..... | 648 | ..... | ..... | 6 | 4 | ..... | 14 | 30 | ..... | 120 | 90 | ..... | 25 | 40 | ..... | ..... | ..... | ..... | 20 | 357 | 291 | ..... |
| Totals..... | 5 | \$3,022 | ..... | ..... | 19 | 15 | ..... | \$336 | \$118 | ..... | \$795 | \$260 | ..... | \$85 | \$100 | ..... | ..... | ..... | ..... | \$40 | \$2,067 | \$955 | ..... |
| Averages..... | ..... | 604 40 | ..... | ..... | 3 8 | 3 | 81 | 28 60 | 44 | ..... | 159 | 52 21 25 | ..... | 25 | 25 | 4 60 | ..... | ..... | ..... | 8 33 60 | 413 40 | 289 | ..... |

MARBLE WORKERS.

| | | | | | | | | | | | | | | | | | | | | | | |
|-------------|--------------|---------|-------|---------|-----------|-------|---------|-------|--------|---------|---------|-------|-------|-------|-------|-------|-------|-------|-------------|---------|---------|-------|
| Belleville | Ger..... | 468 | ..... | 468 | 9 | 3 | 84 | \$20 | 150 | \$200 | 75 | ..... | \$30 | ..... | \$25 | ..... | \$20 | ..... | \$50 | \$25 | \$689 | ..... |
| | Am..... | 416 | ..... | 416 | 5 | 3 | 96 | 25 | 65 | 173 | 37 | ..... | 25 | ..... | 25 | ..... | ..... | ..... | 15 | 424 | ..... |  |
|  | ..... | 711 | ..... | 711 | 5 | 5 | 4 | 96 | 18 | 200 | 50 | ..... | ..... | ..... | 50 | ..... | ..... | ..... | 30 | 682 | ..... |  |
| | Champaign | ..... | 780 | ..... | 780 | 2 | 2 | 48 | 30 | 50 | 100 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 20 | 12 | 682 | ..... |
|  | ..... | 624 | ..... | 624 | 5 | 4 | 72 | 30 | 30 | 258 | 100 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 100 | 652 | ..... |
| | Chicago..... | 540 | ..... | 540 | 3 | 3 | 108 | 30 | 30 | 254 | 105 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 155 | 624 | ..... |
|  | ..... | 600 | ..... | 600 | 5 | 3 | 120 | 30 | 30 | 250 | 50 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 50 | 528 | ..... |
|  | ..... | 600 | ..... | 600 | 5 | 3 | 120 | 30 | 30 | 300 | 75 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 60 | 600 | ..... |
|  | ..... | 504 | ..... | 504 | 5 | 4 | 120 | 35 | ..... | ..... | 250 | 60 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 10 | 528 | ..... |
|  | ..... | 600 | ..... | 600 | 4 | 3 | 96 | 34 | ..... | ..... | 250 | 100 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 15 | 550 | ..... |
| Joliet | ..... | 780 | ..... | 780 | 6 | 5 | 96 | 40 | 75 | 208 | 75 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 20 | 265 | ..... |  |
| Mattson | Am..... | 648 | ..... | 648 | 3 | 6 | 120 | 40 | 150 | 208 | 15 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 15 | 45 | 528 | ..... |
| Peoria | ..... | 270 | ..... | 270 | 3 | 2 | 48 | 18 | 30 | 100 | 25 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 10 | 550 | ..... |  |
| ..... | ..... | 380 | ..... | 380 | 5 | 4 | 72 | 35 | 65 | 120 | 30 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 25 | 25 | 601 | ..... |
| Rock Island | ..... | 780 | ..... | 780 | 3 | 3 | 72 | 35 | 50 | 175 | 100 | 20 | ..... | ..... | ..... | ..... | ..... | ..... | 100 | 753 | ..... |  |
| ..... | ..... | 540 | ..... | 540 | 2 | 3 | 72 | 35 | 60 | 150 | 75 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 20 | 265 | ..... |  |
| ..... | Am..... | 468 | ..... | 468 | 3 | 2 | 60 | 25 | 60 | 150 | 75 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 15 | 30 | 682 | ..... |
| ..... | ..... | 600 | ..... | 600 | 9 | 8 | 102 | 50 | 100 | 200 | 75 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 40 | 457 | ..... |  |
| Sterling | ..... | 250 | ..... | 250 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 35 | 455 | ..... |  |
| Totals..... | 17 | \$9,689 | ..... | \$9,689 | 77 | 62 | \$1,458 | \$507 | \$505 | \$3,498 | \$1,132 | ..... | \$270 | ..... | \$280 | ..... | ..... | ..... | \$327 | \$9,388 | \$1,196 | \$77 |
| Averages | ..... | 569 34 | ..... | 569 34 | 4 20 3 65 | 83 76 | 20 82 | 37 75 | 205 76 | 66 59 | 27 | ..... | 28 | 28 | 7 12 | ..... | ..... | ..... | 19 24 46 18 | 552 24 | 108 | 19 |

MASTER MECHANICS.

| PLACE. | Nationality | ANNUAL EARN- INGS OF— | | | Total earnings | Number in family. | Number of room occupied | ANNUAL EXPENDITURES FOR— | | | | | | | | | | | | Total expenses | Surplus | Debt |
|----------------|-------------|--------------------------|------|----------|----------------|-------------------|----------------------------|--------------------------|------------|-------|-----------|----------|--------------------|-----------|-------|---------------------|--------------|----------|------------|------------------|---------|-------|
| | | Husband | Wife | Children | | | | Rent | Fuel | Meat | Groceries | Clothing | Boots and shoes | Dry goods | Books | Life insur- ance | Trade unions | Sickness | Sundries | | | |
| East St. Louis | Am. | \$972 | | | \$972 | 7 | 8 | \$300 | \$22 50 | \$216 | \$300 | \$120 | \$72 | \$30 | \$18 | \$12 | | | \$20 97 | \$1,110 1,117 | \$198 | |
| Urbana | | 1,800 | | \$1,380 | 3,180 | 7 | 6 | 540 | | | 540 | 275 | | | 45 | 110 | | | | \$2,063 | | |
| Totals | 2 | \$2,772 | | \$1,380 | \$4,152 | 14 | 14 | \$840 | \$72 | \$216 | \$840 | \$395 | \$72 | \$30 | \$63 | \$122 | | | \$117 | \$2,227 | \$2,063 | \$138 |
| Averages | | 13 86 | | | 20 76 | 7 | 7 | 200 | 36 | | 420 | 197 50 | | | 31 50 | | | 58 50 | 1113 50 | | | |

MATTRESS MAKER.

| Chicago..... | Am..... | \$440 | | | \$440 | 5 | 4 | \$144 | \$22 | | \$200 | \$75 | | | | | | \$5 | | \$146 | | \$6 |
|--------------|---------|-------|-------|-------|-------|---|---|-------|------|-------|-------|------|-------|-------|-------|-------|-------|-----|-------|-------|-------|-----|
|--------------|---------|-------|-------|-------|-------|---|---|-------|------|-------|-------|------|-------|-------|-------|-------|-------|-----|-------|-------|-------|-----|

MILLERS.

| | | | | | | | | | | | | | | | | | | | | | | | | |
|--------------------|------------|---------|-------|-------|---------|---|---|-------|------|-------|-------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Belleville..... | Eng..... | \$1,200 | | | \$1,200 | 4 | 4 | \$120 | \$15 | \$75 | \$156 | \$75 | | \$75 | | | | | | \$25 | \$10 | \$554 | | \$646 |
| Danville | Ger..... | 780 | ..... | ..... | 780 | 4 | 3 | 60 | 50 | 60 | 310 | 50 | \$20 | 50 | 3 | ..... | ..... | ..... | 25 | 50 | 678 | 102 | ..... |  |
| ..... | ..... | 1,300 | ..... | ..... | 1,300 | 5 | 2 | ..... | 50 | 100 | 200 | 200 | ..... | 200 | 50 | ..... | ..... | ..... | 10 | ..... | 810 | 490 | ..... |  |
| East St. Louis... | ..... | 600 | ..... | ..... | 600 | 5 | 4 | ..... | 20 | 75 | 120 | 40 | 30 | 30 | 4 | ..... | ..... | ..... | ..... | ..... | 300 | 291 | ..... |  |
| ..... | ..... | 840 | ..... | ..... | 840 | 3 | 3 | 108 | 15 | 75 | 120 | 30 | 12 | 50 | 24 | ..... | ..... | ..... | 15 | 50 | 499 | 341 | ..... |  |
| ..... | Am..... | 950 | \$240 | ..... | 1,200 | 3 | 3 | 60 | 40 | 100 | 280 | 40 | 12 | 100 | 20 | \$65 | ..... | ..... | 10 | 60 | 787 | 413 | ..... |  |
| Jacksonville | Ger..... | 1,500 | ..... | ..... | 1,500 | 3 | 5 | 180 | 60 | 18 | 150 | 200 | 15 | 125 | 30 | ..... | ..... | ..... | 30 | 200 | 1,023 | 477 | ..... |  |
| ..... | Eng..... | 1,200 | ..... | ..... | 1,200 | 4 | 7 | 240 | 60 | ..... | 240 | 200 | 55 | ..... | 18 | 42 | ..... | ..... | 50 | 100 | 950 | 250 | ..... |  |
| Mattoon | Am..... | 1,020 | ..... | ..... | 1,020 | 2 | 4 | 120 | 35 | ..... | 200 | 200 | ..... | ..... | 15 | ..... | ..... | ..... | 20 | 100 | 680 | 380 | ..... |  |
| ..... | ..... | 1,118 | ..... | ..... | 1,118 | 5 | 5 | 168 | 90 | 75 | 365 | 200 | 25 | ..... | 20 | 20 | ..... | ..... | 50 | 50 | 1,003 | 115 | ..... |  |
| Peoria..... | ..... | 420 | ..... | ..... | 420 | 3 | 4 | 72 | 16 | 25 | 100 | 45 | 25 | 40 | 6 | ..... | ..... | ..... | 5 | 15 | 349 | 71 | ..... |  |
| ..... | Irish..... | 392 | ..... | ..... | 392 | 7 | 4 | 73 | 18 | 40 | 150 | 80 | 60 | 25 | 10 | ..... | ..... | ..... | 15 | 30 | 490 | 152 | ..... |  |
| ..... | Am..... | 648 | ..... | ..... | 648 | 3 | 3 | 144 | 25 | 60 | 180 | 130 | 40 | 50 | 15 | ..... | ..... | ..... | ..... | 30 | 661 | ..... | \$16 | |

[illegible]

MILLWR:GHTS.

| | | | | | | | | | | | | | | | | | | | | | |
|-------------------------|-------|-------------------|-------------------------|-------------------|-------------|-------------|-------------------|--------------------|-------------------------|--------------------|---------------------|-------------------------|--------------------|-------------------------|--------------------|------------------------|--------------------|------------------------|-----|----|-----|
| Champaign Rock Falls | A.m. | 600 600 600 | ..... ..... ..... | 600 600 600 | 2 5 5 | 3 5 5 | \$60 108 40 | \$19 40 \$75 | ..... ..... ..... | \$156 175 60 | \$30 60 ..... | ..... ..... ..... | \$18 5 ..... | ..... ..... ..... | \$20 5 | \$45 | \$394 535 65 | 2292 | | | |
| Totals | 2 | \$1,200 | ..... | ..... | 7 | 8 | \$168 | \$59 | \$75 | \$331 | \$140 | \$34 | \$30 | ..... | \$25 | \$47 | \$683 | \$267 | | | |
| Averages | | 600 | | | 3.5 | 4 | 84 | 29 | 50 | 165 | 50 | 70 | | | 13 | 50 | 23 | 56 | 465 | 50 | 133 |

MOULDERS.

[illegible]

MONUMENT SETTER.

| | | | | | | | | | | | | | | | | | | | | | |
|------------------|---------|-------|-------|-------|---|---|------|------|------|-------|------|------|-----|------|-------|-----|-------|------|-------|-------|-------|
| Rock Island..... | Am..... | \$600 | | \$800 | 3 | 3 | \$60 | \$35 | \$50 | \$150 | \$75 | \$15 | \$7 | \$10 | | \$5 | | \$40 | \$117 | \$153 | |
|------------------|---------|-------|-------|-------|---|---|------|------|------|-------|------|------|-----|------|-------|-----|-------|------|-------|-------|-------|

MULE DRIVERS.

| | | | | | | | | | | | | | | | | | | | | | |
|---------------|-----------|---------|-------|---------|------|------|-------|-------|-------|--------|-------|-------|-------|-------|-------|-------|-------|-------|---------|-------|-------|
| Gardner..... | Dane..... | \$388 | ..... | \$388 | 3 | 4 | \$60 | \$24 | \$40 | \$100 | \$15 | \$40 | \$25 | ..... | \$12 | ..... | ..... | \$12 | \$398 | \$5 | ..... |
| Siretor..... | Am..... | 600 | ..... | 600 | 5 | 5 | 96 | 20 | 96 | 200 | 100 | 40 | ..... | \$10 | ..... | ..... | ..... | ..... | 407 | 53 | ..... |
| Eng..... | Eng..... | 486 | ..... | 486 | 5 | 9 | 72 | 8 | 72 | 200 | 50 | 40 | ..... | ..... | ..... | ..... | ..... | ..... | 442 | 44 | ..... |
| Totals..... | 3 | \$1,479 | ..... | \$1,479 | 11 | 13 | \$328 | \$52 | \$308 | \$500 | \$165 | \$300 | \$70 | \$10 | \$12 | ..... | \$40 | \$12 | \$1,377 | \$102 | ..... |
| Averages..... | ..... | 493 | ..... | 493 | 3.66 | 4.33 | 76 | 17.33 | 69.33 | 166.66 | 55 | 40 | 35 | 3.33 | ..... | 19.33 | 4 | 469 | 34 | ..... | ..... |

NAILERS.

| | | | | | | | | | | | | | | | | | | | | | |
|-----------------|----------|----------|-------|-------|-------|-------|-------|-------|--------|---------|-------|-------|-------|-------|-------|-------|-------|-------|---------|---------|-------|
| Belleville..... | Eng..... | \$1,080 | ..... | \$318 | 6 | 6 | \$192 | \$32 | \$101 | \$300 | \$200 | ..... | \$100 | \$10 | ..... | \$24 | ..... | \$25 | \$57 | \$441 | ..... |
| ..... | ..... | 1,296 | ..... | ..... | 2 | 6 | 180 | 50 | 208 | 208 | 50 | ..... | 50 | 10 | ..... | 8 | ..... | 25 | 839 | 467 | ..... |
| ..... | Am..... | 1,600 | ..... | ..... | 8 | 6 | 150 | 25 | 120 | 300 | 50 | ..... | 100 | 20 | \$16 | 7 | ..... | 25 | 50 | 707 | ..... |
| ..... | ..... | 1,800 | ..... | ..... | 2 | 5 | ..... | 25 | 60 | 180 | 15 | ..... | 80 | 15 | ..... | 10 | ..... | 25 | 50 | 388 | 1,412 |
| ..... | ..... | 1,800 | ..... | ..... | 6 | 4 | 144 | 25 | 120 | 180 | 100 | 50 | 50 | 15 | 16 | 6 | ..... | 25 | 25 | 756 | 432 |
| Centralla..... | ..... | 1,188 | ..... | ..... | 2 | 7 | 141 | 36 | 120 | 240 | 50 | 25 | 75 | 15 | 24 | ..... | 10 | 81 | 823 | 617 | ..... |
| ..... | ..... | 1,440 | ..... | ..... | 5 | 5 | ..... | 36 | 120 | 240 | 150 | 30 | 110 | 15 | ..... | ..... | 25 | 125 | 851 | 619 | ..... |
| ..... | ..... | 1,470 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| Totals..... | 7 | \$9,874 | ..... | \$318 | 31 | 39 | \$310 | \$249 | \$852 | \$1,548 | \$615 | \$143 | \$535 | \$100 | \$56 | \$55 | \$135 | \$409 | \$5,507 | \$1,085 | ..... |
| Averages..... | ..... | 1,410.51 | ..... | ..... | 4.43 | 5.71 | 162 | 35.57 | 121.71 | 78.29 | 87.86 | 23.60 | 76.43 | 14.29 | ..... | ..... | 19.29 | 53.43 | 786.71 | 640 | ..... |

NAIL-PLATE SHEARER.

| | | | | | | | | | | | | | | | | | | | | | |
|----------------|---------|-------|-------|-------|---|---|-------|------|------|-------|------|------|------|-----|-------|-------|-------|------|-------|------|-------|
| Centralla..... | Am..... | \$193 | | | 5 | 4 | | \$30 | \$30 | \$180 | \$15 | \$15 | \$60 | \$5 | | | | \$35 | \$450 | \$45 | |
|----------------|---------|-------|-------|-------|---|---|-------|------|------|-------|------|------|------|-----|-------|-------|-------|------|-------|------|-------|

ORGAN BUILDERS.

| PLACE. | Nationality | ANNUAL EARNINGS OF— | | Total earnings | Number in family. | Number of rooms occupied..... | ANNUAL EXPENDITURES FOR— | | | | | | | | | | | Total expenses | Surplus..... | Debt..... |
|----------------|-------------------|---------------------|-----------|----------------------|-------------------|-------------------------------|--------------------------|-----------|------------|--------------|---------------|-----------------------|--------------|------------|---------------------|--------------|---------------|---------------------|--------------|-----------|
| | | Husband .. | Wife..... | | | | Rent..... | Fuel..... | Meat | Groceries .. | Clothing..... | Boots and shoes | Dry goods... | Books..... | Life insurance..... | Trades union | Sickness..... | Sundries..... | | |
| Chicago | Can..... | \$800 | ..... | \$800 | 5 | 4 | \$180 | \$40 | \$75 | \$300 | \$75 | \$25 | \$25 | \$15 | \$18 | ..... | \$20 | \$10 | \$783 | \$17 |
| | Scan..... | 400 | ..... | 964 | 4 | 6 | 120 | 50 | 40 | 220 | 100 | 25 | 35 | 15 | ..... | ..... | 35 | 12 | 652 | 312 |
| Totals..... | 2 | \$1,200 | ..... | \$1,764 | 9 | 10 | \$300 | \$90 | \$115 | \$520 | \$175 | \$50 | \$60 | \$30 | \$18 | ..... | \$35 | \$22 | \$1,436 | \$319 |
| Averages | | 600 | ..... | 882 | 4.9 | 5 | 150 | 45 | 57.50 | 260 | 87.50 | 25 | 30 | 15 | ..... | ..... | 12.50 | 11 | 717.50 | 164 |

OMNIBUS DRIVER.

| | | | | | | | | | | | | | | | | | | | | |
|------------------|-----------|-------|-------|-------|---|---|------|------|------|-------|------|------|-----|-----|------|-------|------|------|-------|------|
| Rock Island..... | Scan..... | \$180 | | \$480 | 5 | 4 | \$34 | \$35 | \$55 | \$153 | \$50 | \$15 | \$7 | \$7 | \$10 | | \$10 | \$15 | \$436 | \$44 |
|------------------|-----------|-------|-------|-------|---|---|------|------|------|-------|------|------|-----|-----|------|-------|------|------|-------|------|

PAINTERS.

| | | | | | | | | | | | | | | | | | | | | |
|-----------------|-------------|-------|-------|-------|---|---|-------|------|-------|-------|------|-------|------|------|-------|-------|------|------|-------|------|
| Alton..... | Scotch..... | \$525 | ..... | \$525 | 6 | 4 | ..... | \$25 | \$100 | \$125 | \$50 | \$40 | \$25 | \$15 | ..... | ..... | \$60 | \$20 | \$160 | \$65 |
| | Am..... | 408 | ..... | 408 | 5 | 8 | \$72 | 20 | 80 | 120 | 60 | 25 | 20 | 6 | ..... | ..... | 5 | 10 | 422 | \$14 |
| Aurora..... | ..... | 600 | ..... | 600 | 8 | 8 | 141 | 50 | 60 | 180 | 75 | 18 | 20 | 10 | ..... | ..... | 5 | 30 | 542 | 58 |
|  | ..... | 575 | \$75 | 625 | 3 | 6 | 96 | 60 | 75 | 150 | 100 | 20 | 40 | 5 | ..... | ..... | 10 | 50 | 696 | 20 |
|  | ..... | 405 | ..... | 405 | 4 | 7 | 120 | 65 | 50 | 75 | 50 | 20 | 30 | 10 | ..... | ..... | 10 | 10 | 440 | 35 |
|  | ..... | 432 | ..... | 432 | 6 | 9 | 141 | 58 | 6 | 213 | 105 | 30 | 30 | 10 | ..... | ..... | 30 | 15 | 640 | 284 |
|  | ..... | 591 | ..... | 591 | 4 | 6 | 81 | 60 | 120 | 141 | 25 | 20 | 50 | 15 | ..... | ..... | 30 | 25 | 553 | 41 |
| Belleville..... | Ger..... | 450 | ..... | 450 | 4 | 3 | 90 | 20 | 85 | 85 | 75 | 22 | 10 | 8 | ..... | ..... | 20 | 15 | 465 | 15 |
| | Am..... | 540 | ..... | 540 | 6 | 8 | 96 | 15 | 73 | 166 | 50 | ..... | 25 | 3 | ..... | ..... | 40 | 15 | 475 | 65 |
|  | ..... | 555 | ..... | 555 | 3 | 4 | 81 | 43 | 54 | 170 | 45 | 27 | 13 | 3 | ..... | ..... | 20 | 60 | 519 | 36 |
| Champaign..... | ..... | 480 | ..... | 480 | 4 | 4 | 42 | 42 | ..... | 180 | 45 | 20 | 20 | 5 | ..... | ..... | 25 | 18 | 365 | 125 |

Painters—Continued.

| PLACE. | Nationality | ANNUAL EARN- INGS OF— | | | Total earnings..... | Number in family . | Number of rooms occupied | ANNUAL EXPENDITURES FOR— | | | | | | | | | | | | Total expenses.... | Surplus | Debt..... |
|------------------|-------------------|--------------------------|-----------|-------------|---------------------|--------------------|-----------------------------------|--------------------------|-----------|-----------|---------------|--------------|--------------------------|--------------|------------|---------------------------|--------------|--------------|---------------|--------------------|---------------|-----------|
| | | Husband .. | Wife..... | Children... | | | | Rent..... | Fuel..... | Meat..... | Groceries ... | Clothing.... | Boots and shoes | Dry goods... | Books..... | Life insur- ance | Trade unions | Sickness.... | Sundries..... | | | |
| Springfield..... | Am..... | \$720 | | | \$720 | 3 | 4 | \$192 | \$10 | \$45 | \$75 | \$25 | \$15 | \$20 | \$15 | | | | \$50 | \$577 | \$143 | |
| Sterling..... | ..... | 600 | | | 600 | 5 | 3 | 60 | 45 | 75 | 100 | 50 | 25 | 25 | 5 | | | | 10 | 361 | 289 | |
| ..... | ..... | 450 | | | 450 | 2 | 3 | 60 | 40 | 50 | 150 | 25 | 20 | 20 | 5 | | | | 1 | 376 | 74 | |
| Totals | 62 | \$31,192 | \$405 | \$1,420 | \$33,017 | 260 | 261 | \$4,429 | \$2,326 | \$3,257 | \$10,532 | \$3,912 | \$1,106 | \$1,686 | \$501 | \$85 | \$115 | \$1,623 | \$1,536 | \$31,108 | \$3,684 | \$775 |
| Averages..... | ..... | 503 10 | | | 532 53 | 4.19 | 4.2 | 103 37 52 | 63 63 | 169 87 | 63 10 | 22 57 | 32 40 | 8 24 | | | | 46 18 | 21 77 | 485 61 | 94 | 84 |

PAPER CARRIERS.

| | | | | | | | | | | | | | | | | | | |
|---------------|---------|---------|-------|---------|---|----|-------|------|------|-------|-------|------|------|------|------|------|---------|------|
| Chicago..... | Am..... | \$725 | \$125 | \$735 | 2 | 8 | \$180 | \$50 | \$30 | \$110 | \$85 | \$10 | \$15 | \$5 | \$10 | \$25 | \$765 | \$40 |
| | | 364 | | 489 | 2 | 2 | 96 | 40 | | 120 | 50 | | | | 30 | 25 | 427 | \$62 |
| Totals..... | 2 | \$1,089 | \$125 | \$1,214 | 4 | 10 | \$276 | \$90 | \$30 | \$230 | \$135 | \$10 | \$15 | | \$30 | \$48 | \$1,192 | \$62 |
| Averages..... | | 544 50 | | 607 | 2 | 5 | 288 | 45 | | 115 | 62 50 | | | 7 50 | 20 | 24 | 596 | |

PAPER HANGERS.

| PLACE. | Nationality | ANNUAL EARNINGS OF— | | | ANNUAL EXPENDITURES FOR— | | | | | | | | | | | | Total expenses... | Surplus | Debt..... | | | |
|------------------|-------------|---------------------|-----------|-------------|--------------------------|-------------------|-------------------------------|-----------|-----------|-----------|--------------|--------------|----------------------|--------------|------------|---------------------|-------------------|---------------|---------------|---------|-------|-------|
| | | Husband.. | Wife..... | Children... | Total earnings..... | Number in family. | Number of rooms occupied..... | Rent..... | Fuel..... | Meat..... | Groceries... | Clothing.... | Boots and shoes..... | Dry goods... | Books..... | Life insurance..... | Trade unions | Sickness.... | Sundries..... | | | |
| Centralia..... | Ger..... | \$675 | | | \$675 | 5 | 5 | | \$36 | \$60 | \$180 | \$100 | \$30 | \$50 | | | | | \$25 | \$556 | \$119 | |
| Champaign..... | Am..... | 234 | | | 440 | 10 | 3 | | 24 | 30 | 342 | 175 | | | | | | | 30 | 621 | | \$181 |
| Galesburg..... | ..... | 540 | | | 540 | 3 | 4 | \$84 | 25 | 30 | 130 | 85 | 25 | 80 | | | | | 25 | 512 | 28 | |
| Idola..... | French..... | 705 | | | 955 | 11 | 4 | | 25 | 150 | 400 | 135 | 25 | 75 | | | | | 20 | 883 | 72 | |
| Rock Island..... | Welsh..... | 535 | | | 535 | 5 | 4 | | 36 | 50 | 240 | 90 | 32 | | | | | | 50 | 546 | 9 | |
| Pontiac..... | Am..... | 900 | | | 900 | 5 | 7 | | 50 | 100 | 175 | 25 | 5 | 75 | | | | | 20 | 653 | 247 | |
| Totals..... | 6 | \$3,609 | \$50 | | \$4,065 | 39 | 27 | \$84 | \$196 | \$450 | \$1,467 | \$610 | \$117 | \$280 | | | | | \$170 | \$3,771 | \$475 | \$181 |
| Averages..... | ..... | 601 50 | | | 677 50 | 6.5 | 4.5 | | 32 66 | 80 | 266 50 | 101 66 | 23 40 | 70 | 3 66 | | | 28 33 | 32 66 | 628 50 | 95 | |

PAPER MAKERS.

| Sterling..... | Ger..... | \$472..... | | | | 4 | 3 | \$72..... | \$40..... | \$40..... | \$100..... | \$25..... | \$30..... | \$30..... | \$2..... | | \$10..... | \$5..... | \$374..... | \$98..... |
|---------------|----------|------------|-------|-------|-------|---|---|-----------|-----------|-----------|------------|-----------|-----------|-----------|----------|-------|-----------|----------|------------|-----------|
|---------------|----------|------------|-------|-------|-------|---|---|-----------|-----------|-----------|------------|-----------|-----------|-----------|----------|-------|-----------|----------|------------|-----------|

PATTERN MAKERS.

| | | | | | | | | | | | | | | | | | | | | |
|---------------------|-------------|--------------|-------|-------|-------|------|------|------------|------------|------------|--------------|------------|------------|------------|------------|------------|------------|------------|--------------|--------------|
| Aurora..... | Am..... | \$701..... | ..... | ..... | ..... | 6 | 8 | ..... | \$67..... | \$96..... | \$300..... | \$68..... | \$43..... | \$30..... | \$15..... | ..... | \$10..... | ..... | \$689..... | \$12..... |
| Belleville..... | Scotch..... | 870..... | ..... | ..... | ..... | 4 | 2 | ..... | 75..... | 60..... | 125..... | 75..... | 15..... | 75..... | 12..... | ..... | 15..... | ..... | 545..... | 295..... |
| Champaign..... | Ger..... | 567..... | ..... | ..... | ..... | 8 | 4 | ..... | 25..... | 95..... | 125..... | 50..... | 25..... | 30..... | 7..... | ..... | 50..... | ..... | 467..... | 100..... |
| East St. Louis..... | Am..... | 858..... | ..... | ..... | ..... | 2 | 2 | \$48..... | 77..... | 365..... | 365..... | 100..... | ..... | 30..... | 13..... | ..... | 30..... | ..... | 631..... | 227..... |
| Galesburg..... | Scot..... | 1,305..... | ..... | ..... | ..... | 6 | 3 | ..... | 20..... | 70..... | 180..... | 160..... | 10..... | 150..... | 20..... | ..... | 30..... | ..... | 460..... | 845..... |
| Joliet..... | Ger..... | 1,589..... | ..... | ..... | ..... | 3 | 3 | ..... | 50..... | 65..... | 250..... | 160..... | 65..... | 150..... | 15..... | ..... | 65..... | ..... | 90..... | 570..... |
| Mattoon..... | Am..... | 858..... | ..... | ..... | ..... | 4 | 4 | ..... | 40..... | 60..... | 200..... | 60..... | 30..... | 25..... | 5..... | ..... | 2..... | ..... | 580..... | 310..... |
| Mattoon..... | Am..... | 648..... | ..... | ..... | ..... | 2 | 2 | ..... | 25..... | 130..... | 300..... | 75..... | 40..... | 25..... | 15..... | ..... | 15..... | ..... | 520..... | 488..... |
| ..... | ..... | 750..... | ..... | ..... | ..... | 6 | 2 | 108..... | 60..... | 100..... | 150..... | 65..... | 40..... | 35..... | 10..... | ..... | 25..... | ..... | 640..... | 147..... |
| Totals..... | 9 | \$7,308..... | ..... | ..... | ..... | 37 | 44 | \$204..... | \$439..... | \$676..... | \$2,105..... | \$683..... | \$208..... | \$420..... | \$100..... | \$110..... | ..... | \$212..... | \$5,534..... | \$2,982..... |
| Averages..... | ..... | 812..... | ..... | ..... | ..... | 4.89 | 4.11 | 68..... | 48 78..... | 84 50..... | 23 39..... | 75 89..... | 33 50..... | 52 50..... | 12 11..... | ..... | 23 56..... | 34 22..... | 614 89..... | 331..... |

PIANO MAKERS.

| | | | | | | | | | | | | | | | | | | | | |
|---------------|----------|--------------|-------|-------|-------|-----|----|------------|---------------|------------|-------------|------------|-----------|-----------|-----------|-----------|-----------|-----------|--------------|-----------|
| Chicago..... | Ger..... | \$800..... | ..... | ..... | ..... | 8 | 8 | \$360..... | \$60..... | \$75..... | \$175..... | \$100..... | ..... | ..... | \$5..... | ..... | \$5..... | ..... | \$900..... | ..... |
| ..... | ..... | 624..... | ..... | ..... | ..... | 5 | 4 | 84..... | 40..... | 50..... | 150..... | 50..... | \$40..... | \$50..... | 25..... | ..... | ..... | 70..... | 597..... | ..... |
| Totals..... | 2 | \$1,424..... | ..... | ..... | ..... | 13 | 12 | \$444..... | \$100..... | \$125..... | \$325..... | \$150..... | \$40..... | \$50..... | \$30..... | \$38..... | ..... | \$90..... | \$1,397..... | \$27..... |
| Averages..... | ..... | 712..... | ..... | ..... | ..... | 6.5 | 6 | 222..... | 50 62 50..... | 62 50..... | 162 50..... | 75..... | ..... | ..... | 15..... | ..... | 2 50..... | 45..... | 698 50..... | ..... |

PICTURE FRAME MAKERS.

| | | | | | | | | | | | | | | | | | | | | |
|---------------|-----------|--------------|-------|-------|-------|-----|---|----------------|-----------|-----------|-----------------|------------|-----------|-----------|-----------|-----------|-----------|-----------|--------------|------------|
| Chicago..... | Am..... | \$750..... | ..... | ..... | ..... | 6 | 4 | \$180..... | \$40..... | ..... | \$200..... | \$175..... | ..... | ..... | \$15..... | ..... | \$5..... | ..... | \$750..... | ..... |
| Moline..... | Scot..... | 780..... | ..... | ..... | ..... | 3 | 4 | 72..... | 35..... | \$26..... | 150..... | 100..... | ..... | ..... | 7..... | ..... | 5..... | ..... | 502..... | ..... |
| Totals..... | 2 | \$1,530..... | ..... | ..... | ..... | 9 | 5 | \$252..... | \$75..... | \$26..... | \$350..... | \$275..... | \$25..... | \$15..... | \$22..... | \$20..... | \$30..... | \$90..... | \$1,252..... | \$278..... |
| Averages..... | ..... | 765..... | ..... | ..... | ..... | 4.5 | 4 | 126 37 50..... | ..... | ..... | 175 137 50..... | ..... | ..... | ..... | 11..... | ..... | 40..... | 45..... | 636..... | ..... |

PIT BOSSES.

| PLACE. | NATIONALITY | ANNUAL EARNINGS OF— | | | ANNUAL EXPENDITURES FOR— | | | | | | | | | | | | Total expenses | Surplus | Debt |
|--------------|-------------|---------------------|------|----------|--------------------------|-------|-------|-----------|----------|-----------------|-----------|-------|----------------|--------------|----------|----------|----------------|---------|------|
| | | Husband | Wife | Children | Rent | Fuel | Meat | Groceries | Clothing | Boots and shoes | Dry goods | Books | Life insurance | Trade unions | Sickness | Sundries | | | |
| Collinsville | Eng. | \$720 | | | \$84 | \$112 | \$75 | \$150 | \$120 | \$21 | \$30 | \$2 | \$5 | | \$20 | \$25 | \$523 | \$197 | |
| Equality | Am. | 550 | | | 48 | 23 | 61 | 68 | 27 | 53 | 53 | 6 | 6 | | 27 | | 831 | 216 | |
| Mt Pulaski | Scotch | 800 | | | 4 | | 72 | 240 | 150 | 30 | 50 | 5 | 15 | | 20 | 30 | 684 | 116 | |
| Pontiac | Am. | 720 | | | 8 | | 30 | 175 | 25 | 22 | 75 | 15 | 56 | | 5 | 15 | 458 | 262 | |
| Streator | Scotch | 900 | | | 5 | | 15 | 400 | 100 | 38 | 50 | 50 | 13 | | 10 | 25 | 773 | 127 | |
| Springfield | Eng. | 960 | | | 7 | | 60 | 300 | 75 | 30 | 100 | 5 | | | 50 | 60 | 800 | 160 | |
| Totals | 6 | \$4,650 | | | \$204 | \$150 | \$430 | \$1,333 | \$497 | \$141 | \$358 | \$83 | \$89 | | \$132 | \$155 | \$3,572 | \$1,078 | |
| Averages | | 775 | | | 68 | 25 | 71 | 222 | 83 | 28 | 59 | 66 | 13 | | 22 | 25 | 595 | 179 | |

PIT SINKERS.

| PLACE. | NATIONALITY | ANNUAL EARNINGS OF— | | | ANNUAL EXPENDITURES FOR— | | | | | | | | | | | | Total expenses | Surplus | Debt |
|----------|-------------|---------------------|------|----------|--------------------------|-------|-------|-----------|----------|-----------------|-----------|-------|----------------|--------------|----------|----------|----------------|---------|------|
| | | Husband | Wife | Children | Rent | Fuel | Meat | Groceries | Clothing | Boots and shoes | Dry goods | Books | Life insurance | Trade unions | Sickness | Sundries | | | |
| Alton | Eng. | \$220 | | | \$70 | \$118 | \$50 | \$130 | \$20 | \$12 | \$20 | \$5 | | | \$10 | \$29 | \$294 | \$4 | |
| Gardner | Am. | 472 | | | 60 | 33 | 84 | 170 | 17 | 32 | 36 | | | | 5 | 10 | 447 | 25 | |
| Totals | 2 | \$692 | | | \$70 | \$51 | \$134 | \$300 | \$37 | \$44 | \$56 | \$5 | | | \$15 | \$39 | \$741 | \$25 | |
| Averages | | 346 | | | 25 | 50 | 67 | 150 | 18 | 50 | 28 | 2 | | | 7 | 50 | 370 | 50 | |

PIT TOP-MEN.

| | | | | | | | | | | | | | | | | | | | | | | | |
|---------------|------------|--------|-------|-------|-------|-------|-----|-----|-------|------|-------|-------|------|-------|------|-----|-------|-------|-------|-------|---------|-------|-------|
| Alton..... | Welsh..... | \$300 | ..... | \$325 | ..... | \$625 | 4 | 3 | \$120 | \$20 | \$84 | \$180 | \$50 | \$24 | \$30 | \$3 | ..... | \$1 | \$25 | \$150 | \$737 | ..... | \$102 |
| Streator..... | Am..... | 335 | ..... | 335 | ..... | 335 | 3 | 4 | 96 | 18 | 40 | 200 | 20 | ..... | 20 | 3 | ..... | ..... | ..... | ..... | 397 | ..... | 42 |
| Totals..... | 2 | \$635 | ..... | \$325 | ..... | \$980 | 7 | 7 | \$216 | \$38 | \$124 | \$380 | \$80 | \$24 | \$80 | \$6 | ..... | \$1 | \$25 | \$150 | \$1,124 | ..... | \$144 |
| Averages.. | ..... | 327 50 | ..... | ..... | ..... | 490 | 3.5 | 3.5 | 108 | 19 | 62 | 190 | 40 | ..... | 40 | 3 | ..... | ..... | 12 50 | 75 | 562 | ..... | 72 |

PLASTERERS.

| | | | | | | | | | | | | | | | | | | | | | | | | |
|------------------|-------------|----------|-------|-------|-------|----------|------|------|---------|-------|---------|---------|---------|-------|-------|-------|-------|-------|-------|-------|---------|----------|--------|---------|
| Alton..... | Am..... | \$436 | ..... | \$104 | ..... | \$540 | 9 | 6 | \$66 | \$1 | \$80 | \$220 | \$20 | \$25 | \$20 | \$4 | ..... | ..... | \$25 | \$30 | \$546 | ..... | \$6 | |
| Aurora..... | Eng..... | 612 | ..... | 100 | ..... | 712 | 7 | 7 | 216 | 65 | 144 | 144 | 165 | 25 | 25 | 10 | ..... | ..... | 10 | 10 | 804 | ..... | 92 | |
| ..... | Scotch..... | 432 | ..... | ..... | ..... | 432 | 5 | 6 | 84 | 40 | 30 | 210 | 15 | 10 | 10 | 6 | ..... | ..... | 5 | 15 | 478 | ..... | 46 | |
| Bloomington..... | Ger..... | 400 | ..... | ..... | ..... | 400 | 4 | 4 | ..... | 25 | 60 | 150 | 30 | 25 | 20 | 6 | ..... | ..... | 12 | 10 | 338 | ..... | 72 | |
| Centralla..... | Am..... | 576 | ..... | 315 | ..... | 891 | 4 | 4 | ..... | 40 | 60 | 300 | 100 | 30 | 75 | 10 | ..... | ..... | 15 | 15 | 640 | ..... | 251 | |
| ..... | ..... | 630 | ..... | ..... | ..... | 630 | 3 | 6 | ..... | 20 | 85 | 144 | 50 | 15 | 50 | 10 | ..... | ..... | ..... | 75 | 449 | ..... | 181 | |
| ..... | ..... | 648 | ..... | ..... | ..... | 648 | 5 | 3 | ..... | 30 | 80 | 180 | 100 | 25 | 60 | 5 | ..... | ..... | 150 | 60 | 750 | ..... | 102 | |
| Chicago..... | Irish..... | 984 | ..... | ..... | ..... | 984 | 6 | 5 | 150 | 40 | ..... | 350 | 150 | ..... | ..... | 10 | ..... | ..... | 40 | 150 | 896 | ..... | 88 | |
| ..... | ..... | 912 | ..... | ..... | ..... | 912 | 7 | 5 | 144 | 40 | ..... | 350 | 100 | ..... | ..... | 12 | ..... | ..... | 28 | 100 | 800 | ..... | 112 | |
| ..... | ..... | 840 | ..... | ..... | ..... | 840 | 6 | 5 | 132 | 40 | ..... | 350 | 100 | ..... | ..... | 12 | ..... | ..... | 20 | 100 | 750 | ..... | 90 | |
| ..... | Ger..... | 654 | ..... | ..... | ..... | 654 | 4 | 3 | 108 | 25 | ..... | 250 | 75 | ..... | ..... | 5 | ..... | ..... | 15 | 100 | 578 | ..... | 76 | |
| ..... | Eng..... | 800 | ..... | ..... | ..... | 800 | 3 | 6 | 240 | 45 | 55 | 208 | 60 | 10 | 25 | 20 | ..... | ..... | 50 | 150 | 867 | ..... | 235 | |
| ..... | ..... | 900 | ..... | ..... | ..... | 900 | 4 | 5 | 240 | 35 | ..... | 200 | 150 | ..... | ..... | 15 | ..... | ..... | 15 | 10 | 665 | ..... | 255 | |
| ..... | Irish..... | 960 | ..... | ..... | ..... | 960 | 5 | 5 | 144 | 40 | ..... | 325 | 150 | ..... | ..... | 12 | ..... | ..... | 10 | 100 | 751 | ..... | 209 | |
| Danville..... | Am..... | 405 | ..... | 50 | ..... | 455 | 9 | 4 | ..... | 25 | 100 | 150 | 60 | 40 | 35 | 5 | ..... | ..... | 25 | 15 | 490 | ..... | 25 | |
| ..... | ..... | 180 | ..... | ..... | ..... | 180 | 4 | 2 | 60 | 12 | 60 | 100 | 20 | 12 | 20 | 2 | ..... | ..... | ..... | ..... | 311 | ..... | 131 | |
| ..... | ..... | 594 | ..... | ..... | ..... | 594 | 5 | 5 | 72 | 25 | 120 | 150 | 60 | 20 | 40 | 5 | ..... | ..... | 5 | 5 | 497 | ..... | 97 | |
| Elgin..... | Scot..... | 400 | ..... | ..... | ..... | 400 | 5 | 7 | ..... | 40 | 50 | 200 | 30 | 40 | 50 | 28 | ..... | ..... | 35 | 40 | 450 | ..... | 100 | |
| Joliet..... | Irish..... | 731 | ..... | ..... | ..... | 731 | 2 | 8 | 72 | 30 | 90 | 218 | 60 | 18 | 40 | 20 | ..... | ..... | 50 | 50 | 631 | ..... | 8 | |
| ..... | Am..... | 432 | ..... | 50 | ..... | 492 | 4 | 3 | 72 | 23 | 79 | 183 | 46 | 20 | 25 | 10 | ..... | ..... | 45 | 139 | 492 | ..... | 92 | |
| Pekin..... | Col..... | 400 | ..... | ..... | ..... | 406 | 2 | 1 | ..... | 25 | 60 | 150 | 30 | 18 | 25 | 20 | ..... | ..... | 25 | 25 | 674 | ..... | 201 | |
| Quincy..... | Am..... | 875 | ..... | ..... | ..... | 875 | 4 | 5 | 144 | 35 | ..... | 350 | 100 | ..... | ..... | 20 | ..... | ..... | 10 | 5 | 410 | ..... | 130 | |
| Sterling..... | Irish..... | 540 | ..... | ..... | ..... | 540 | 5 | 7 | ..... | 50 | 60 | 200 | 25 | 25 | 25 | 10 | ..... | ..... | 10 | 10 | 410 | ..... | 130 | |
| Totals..... | 23 | \$14,391 | | \$50 | | \$15,020 | 109 | 112 | \$1,932 | \$746 | \$1,213 | \$5,142 | \$1,596 | \$378 | \$590 | \$217 | | \$75 | \$42 | \$552 | \$1,224 | \$13,697 | | \$1,857 |
| Averages..... | ..... | 625 69 | ..... | ..... | ..... | 653 04 | 4.73 | 4.87 | 128 66 | 32 43 | 75 81 | 223 57 | 69 39 | 22 24 | 34 12 | 9 43 | ..... | ..... | 24 43 | 53 22 | 595 53 | ..... | 133 68 | |

PLOW FACTORY MEN.

| PLACE. | Nationality | ANNUAL EARNINGS OF— | | | ANNUAL EXPENDITURES FOR— | | | | | | | | | | | | Total expenses.... | Surplus..... | Debt..... |
|------------------|-------------|---------------------|------------|-------------|--------------------------|-----------|------------|---------------|--------------|----------------------|--------------|------------|---------------------|--------------|---------------|---------------|--------------------|--------------|-----------|
| | | Husband.. | Wife | Children... | Rent..... | Fuel..... | Meat | Groceries.... | Clothing.... | Boots and shoes..... | Dry goods... | Books..... | Life insurance..... | Trade unions | Sickness..... | Sundries | | | |
| Galena..... | Ger..... | \$1,430 | ..... | \$300 | ..... | 45 | \$50 | \$200 | \$40 | \$60 | \$80 | \$6 | 10 | ..... | ..... | \$18 | \$500 | \$430 | ..... |
| Moline..... | Scot..... | 500 | ..... | ..... | 6 | 75 | 65 | 250 | 175 | 25 | 25 | 25 | 5 | ..... | ..... | ..... | 635 | 795 | ..... |
| "..... | Am..... | 550 | ..... | ..... | 6 | 120 | 75 | 175 | 50 | 12 | 6 | 10 | 20 | ..... | ..... | ..... | 373 | 127 | ..... |
| "..... | Scot..... | 412 | ..... | ..... | 5 | 100 | 50 | 200 | 60 | 20 | 12 | 10 | 12 | ..... | 100 | 45 | 752 | \$202 | ..... |
| "..... | Scot..... | 580 | ..... | ..... | 4 | 30 | 65 | 225 | 75 | 30 | 7 | 10 | 10 | ..... | 50 | 15 | 574 | 162 | ..... |
| Rock Island..... | Am..... | 648 | ..... | ..... | 3 | 20 | 52 | 175 | 40 | 12 | 20 | 12 | 21 | 3 | 15 | 155 | 467 | 113 | ..... |
| Totals..... | 7 | \$4,750 | ..... | \$300 | \$220 | \$250 | \$482 | \$1,475 | \$500 | \$184 | \$157 | \$63 | \$93 | \$3 | \$171 | \$263 | \$3,811 | \$1,603 | \$364 |
| Averages..... | ..... | 650 | ..... | ..... | 110 | 35 71 | 61 71 | 210 71 | 71 43 | 26 23 | 22 43 | 9 | ..... | ..... | 24 43 | 37 57 | 544 43 | 920 | 182 |

PLUMBERS.

| | | | | | | | | | | | | | | | | | | | |
|------------------|-------------|---------|-------|-------|-------|-------|-------|---------|-------|-------|-------|-------|-------|-------|-------|-------|---------|---------|-------|
| Champaign..... | Am..... | \$1,300 | ..... | ..... | 4 | 120 | \$75 | \$247 | \$175 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | \$666 | \$634 | ..... |
| Chicago..... | Irish..... | 500 | ..... | ..... | 6 | 45 | 35 | 300 | 130 | ..... | ..... | 10 | ..... | ..... | ..... | ..... | 707 | 133 | ..... |
| "..... | Scotch..... | 1,050 | ..... | ..... | 3 | 156 | \$100 | 200 | 60 | 27 | 115 | 7 | ..... | ..... | ..... | ..... | 701 | 289 | ..... |
| Peoria..... | Am..... | 722 | ..... | ..... | 4 | 30 | 60 | 180 | 70 | 40 | 50 | 10 | ..... | ..... | ..... | ..... | 465 | 257 | ..... |
| "..... | Am..... | 535 | ..... | ..... | 4 | 72 | 16 | 115 | 40 | 30 | 15 | 4 | ..... | ..... | ..... | ..... | 349 | ..... | ..... |
| "..... | Scot..... | 600 | ..... | ..... | 3 | 120 | 75 | 150 | 75 | 20 | 20 | 5 | ..... | ..... | ..... | ..... | 585 | 35 | ..... |
| "..... | Scot..... | 600 | ..... | ..... | 5 | 120 | 75 | 175 | 60 | 70 | 20 | ..... | ..... | ..... | ..... | ..... | 680 | ..... | ..... |
| Rock Island..... | Am..... | 780 | ..... | ..... | 7 | 120 | 30 | 200 | 150 | 20 | 6 | 10 | 18 | ..... | ..... | ..... | 40 | 91 | ..... |
| "..... | Am..... | 800 | ..... | ..... | 4 | 40 | 65 | 150 | 65 | 20 | 7 | 8 | ..... | ..... | ..... | ..... | 25 | 328 | ..... |
| Sterling..... | Scotch..... | 1,248 | ..... | ..... | 5 | 72 | 75 | 300 | 150 | 75 | 50 | 20 | 50 | ..... | ..... | ..... | 920 | 328 | ..... |
| Totals..... | 10 | \$8,136 | ..... | \$200 | \$972 | \$412 | \$640 | \$2,017 | \$975 | \$342 | \$263 | \$85 | \$68 | \$10 | \$140 | \$355 | \$6,199 | \$2,155 | \$18 |
| Averages..... | ..... | 581 14 | ..... | ..... | 81 | 29 43 | 53 33 | 144 07 | 69 64 | 28 50 | 16 92 | 6 07 | ..... | ..... | 10 | 23 33 | 442 79 | 299 | 9 |

POTTERS.

| | | | | | | | | | | | | | | | | |
|---------------|----------|---------|----|----|-------|-------|-------|--------|-------|-------|-------|------|-------|-------|---------|------------|
| Alton..... | Am..... | \$235 | 4 | 3 | \$60 | \$18 | \$80 | \$140 | \$60 | \$20 | \$15 | \$8 | \$25 | \$20 | \$451 | \$71 |
| Galena..... | "..... | 321 | 7 | 4 | ..... | 30 | 48 | 180 | 150 | ..... | 50 | 10 | 14 | 34 | 430 | 58 |
| Fulton..... | Ger..... | 306 | 5 | 4 | ..... | 34 | 60 | 125 | 60 | 25 | 30 | 5 | 10 | 53 | 400 | \$84 |
| | | 450 | 4 | 5 | ..... | 30 | 70 | 200 | 100 | ..... | ..... | 5 | 20 | 5 | 430 | 20 |
| Totals..... | 4 | \$1,005 | 20 | 16 | \$60 | \$112 | \$258 | \$625 | \$370 | \$45 | \$45 | \$26 | \$69 | \$116 | \$1,734 | \$149 \$94 |
| Averages..... | | 401 25 | 5 | 4 | ..... | 28 | 64 50 | 156 25 | 92 50 | 22 50 | 22 50 | 6 50 | 16 75 | 29 | 433 50 | 49 |

PRESSMEN.

| | | | | | | | | | | | | | | | | | |
|----------------|---------|---------|-----|----|-------|------|-------|------------|-------|-------|-------|-------|-------|------|-------|---------|-------------|
| Champaign..... | Am..... | \$335 | 6 | 8 | ..... | \$36 | ..... | \$214 | \$125 | ..... | ..... | \$10 | ..... | \$10 | \$60 | \$445 | \$491 |
| Chicago..... | "..... | 600 | 3 | 6 | \$360 | 60 | ..... | 180 | 180 | ..... | ..... | 7 | ..... | 80 | 867 | ..... | \$267 |
| Totals..... | 2 | \$1,235 | 9 | 14 | \$360 | \$36 | ..... | \$394 | \$365 | ..... | ..... | \$17 | ..... | \$10 | \$140 | \$1,312 | \$491 \$267 |
| Averages..... | | 718 | 4 5 | 7 | ..... | 48 | ..... | 192 152 50 | ..... | ..... | 8 50 | ..... | 5 | 70 | 656 | ..... | ..... |

PRINTERS.

| | | | | | | | | | | | | | | | | | |
|----------------|-----------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|-------|-------|-------|-------|-------|
| Centralla..... | Am..... | \$148 | 2 | 6 | \$132 | \$25 | \$72 | \$180 | \$20 | \$20 | \$100 | \$10 | ..... | ..... | \$411 | ..... | \$93 |
| Champaign..... | "..... | 408 | 3 | 5 | ..... | 36 | 75 | 180 | 100 | 18 | 50 | 4 | ..... | 25 | 556 | ..... | 88 |
| "..... | "..... | 520 | 3 | 5 | 72 | 48 | ..... | 183 | 35 | 22 | 7 | 8 | ..... | 15 | 385 | ..... | ..... |
| "..... | "..... | 408 | 5 | 4 | 96 | 42 | ..... | 208 | 90 | ..... | ..... | 3 | ..... | 16 | 408 | ..... | ..... |
| "..... | "..... | 520 | 2 | 4 | 84 | 35 | ..... | 175 | 80 | ..... | ..... | 8 | ..... | 50 | 427 | ..... | 93 |
| Chicago..... | Eng..... | 956 | 5 | 5 | 144 | 40 | ..... | 300 | 150 | ..... | ..... | 15 | ..... | 25 | 904 | ..... | 52 |
| "..... | "..... | 800 | 7 | 3 | \$360 | 55 | 125 | 290 | 100 | ..... | ..... | 20 | ..... | 4 | 1,015 | ..... | 201 |
| "..... | Am..... | 600 | 3 | 3 | 120 | 28 | ..... | 75 | ..... | ..... | ..... | 5 | ..... | 6 | 564 | ..... | 46 |
| "..... | "..... | 1,426 | 4 | 1 | 180 | 40 | 65 | 254 | 58 | 11 | 12 | 11 | ..... | 6 | 554 | ..... | 211 |
| "..... | "..... | 1,426 | 3 | 3 | 120 | 28 | ..... | 250 | 105 | 18 | 52 | 15 | ..... | 5 | 825 | ..... | 25 |
| "..... | "..... | 844 | 6 | 3 | 96 | 50 | ..... | 330 | 60 | 20 | 10 | 10 | ..... | 6 | 745 | ..... | ..... |
| "..... | Scan..... | 475 | 3 | 3 | 180 | 30 | 110 | 130 | 60 | 20 | 25 | 10 | ..... | 6 | 621 | ..... | 228 |
| "..... | Am..... | 780 | 5 | 4 | 120 | 30 | ..... | 175 | 50 | ..... | ..... | 10 | ..... | 125 | 700 | ..... | 235 |
| "..... | "..... | 150 | ..... | ..... | ..... | ..... | ..... | 300 | 100 | ..... | ..... | 25 | ..... | 19 | 100 | ..... | 10 |
| "..... | "..... | 500 | 7 | 4 | 216 | 60 | 166 | 208 | 300 | ..... | 100 | 20 | ..... | 6 | 1,168 | ..... | 128 |
| "..... | "..... | 900 | 3 | 6 | 180 | 35 | 125 | 200 | 300 | 25 | ..... | 10 | ..... | 25 | 908 | ..... | 8 |
| "..... | "..... | 960 | 3 | 6 | 180 | 35 | 125 | 150 | 250 | ..... | 50 | 20 | ..... | 6 | 827 | ..... | 158 |

Printers—Continued.

| PLACE. | Nationality. | ANNUAL EARNINGS OF— | | ANNUAL EXPENDITURES FOR— | | | | | | | | | | | Total expenses.... | Surplus..... | Debt..... | | | |
|-----------------|--------------|---------------------|-----------|--------------------------|-----------|-----------|-----------|---------------|--------------|----------------------|--------------|------------|---------------------|--------------|--------------------|--------------|-----------|---------------|---------------|-------|
| | | Husband... | Wife..... | Children... | Rent..... | Fuel..... | Meat..... | Groceries.... | Clothing.... | Boots and shoes..... | Dry goods... | Books..... | Life insurance..... | Trade unions | | | | Sickness..... | Sundries..... | |
| Danville..... | Am..... | \$600 | | | \$72 | \$50 | \$20 | \$200 | \$100 | | \$200 | \$20 | | | \$50 | | \$20 | \$20 | \$20 | \$20 |
| Jacksonville .. | "..... | 700 | | | 120 | 30 | 20 | 100 | 100 | | 100 | 75 | | | 20 | | 462 | 462 | 258 | 216 |
| Joliet..... | Irish..... | 938 | | | 120 | 30 | 100 | 200 | 150 | | | 15 | | | 20 | \$100 | 25 | 490 | 690 | 60 |
| Mattoon..... | Am..... | 540 | | | 50 | 50 | 100 | 200 | 50 | | | 15 | | | 10 | 35 | 525 | 525 | 74 | 60 |
| Moline..... | "..... | 600 | | | 40 | 40 | 104 | 104 | 40 | | | 10 | | | 50 | 50 | 423 | 423 | 9 | 9 |
| Pekin..... | Swiss..... | 432 | | | 60 | 35 | 35 | 150 | 100 | | | 20 | | | 15 | 100 | 574 | 574 | 206 | 9 |
| Sterling..... | Am..... | 780 | | | 30 | 30 | 35 | 200 | 15 | | | 1 | | | 30 | 60 | 416 | 416 | 60 | 60 |
| Springfield .. | "..... | 416 | | | 50 | 50 | 100 | 125 | 50 | | | 10 | | | 5 | 5 | 435 | 435 | 85 | 85 |
| | | 520 | | | 120 | 40 | 100 | 310 | 20 | | | 15 | | | 10 | | 715 | 715 | 5 | 5 |
| | | 720 | | | | | | | | | | | | | | | | | | |
| Totals..... | 26 | \$17,017 | \$50 | \$1,226 | \$2,652 | \$1,024 | \$1,502 | \$5,292 | \$2,628 | \$276 | \$378 | \$382 | \$99 | \$78 | \$668 | \$1,333 | \$16,313 | \$16,313 | \$2,042 | \$562 |
| Averages .. | | 654 50 | | | 139 57 | 39 38 | 59 87 | 203 54 | 101 08 | 20 77 | 51 65 | 14 65 | | | 25 73 | 51 27 | 647 04 | 647 04 | 113 | 98 |

PRISON GUARD.

| | | | | | | | | | | | | | | | | | | |
|-------------|---------|-------|---|---|--|------|------|-------|------|------|------|-----|------|--|------|------|-------|-------|
| Joliet..... | Am..... | \$540 | 2 | 4 | | \$35 | \$25 | \$120 | \$15 | \$23 | \$28 | \$6 | \$18 | | \$10 | \$23 | \$338 | \$207 |
|-------------|---------|-------|---|---|--|------|------|-------|------|------|------|-----|------|--|------|------|-------|-------|

Puddlers.

[illegible]

PUDDLER'S HELPER.

| | | | | | | | | | | | | | | | | |
|-----------------------|------------|--------|-------|---|---|------|-------|-------|------|------|------|-----------|-----|------|-------|------------|
| Centralia.....Am..... | \$504..... | \$255. | \$759 | 4 | 5 | \$36 | \$182 | \$180 | \$75 | \$35 | \$50 | \$10..... | \$5 | \$30 | \$603 | \$156..... |
|-----------------------|------------|--------|-------|---|---|------|-------|-------|------|------|------|-----------|-----|------|-------|------------|

QUARRYMEN.

[illegible]

RAG SORTER IN PAPER MILL.

| | | | | | | | | | | | | | |
|-------------|-----------|------------|------------|---|---|-----------|------------|-----------|-----------|----------|-----------|------------|-----------|
| Woline..... | Scan..... | \$240..... | \$240..... | 5 | 8 | \$24..... | \$200..... | \$35..... | \$10..... | \$5..... | \$25..... | \$299..... | \$59..... |
|-------------|-----------|------------|------------|---|---|-----------|------------|-----------|-----------|----------|-----------|------------|-----------|

REFINER (Gas.)

| PLACE. | Nationality | ANNUAL EARNINGS OF— | | | Total earnings | Number in family. | Number of rooms occupied | ANNUAL EXPENDITURES FOR— | | | | | | | | | | | | | Total expenses..... | Surplus | D ebt |
|--------------------|-------------------|---------------------|------------|-------------|---------------------|-------------------|--------------------------------|--------------------------|------------|------------|--------------|----------------|-----------------------|--------------|-------------|----------------------|--------------------|---------------|----------------|-------|---------------------|---------------|-------------|
| | | Husband .. | Wife | Children .. | | | | Rent | Fuel | Meat | Groceries .. | Clothing | Boots and shoes | Dry goods... | Books | Life insurance | Trade unions | Sickness..... | Sundries | | | | |
| East St. Louis.... | Irish | \$730 | | | \$730 | 2 | 3 | \$120 | \$24 | \$60 | \$144 | \$40 | \$20 | \$20 | \$7 | \$6 | | | \$25 | \$466 | \$264 | | |

RIVER PILOT.

| | | | | | | | | | | | | | | | | | | | | | |
|--------------|---------|-------|--|--|-------|---|---|--|------|--|-------|------|------|------|------|--|--|------|------|-------|-------|
| Peoria | Am..... | \$840 | | | \$840 | 3 | 4 | | \$35 | | \$180 | \$40 | \$30 | \$25 | \$10 | | | \$25 | \$25 | \$370 | \$470 |
|--------------|---------|-------|--|--|-------|---|---|--|------|--|-------|------|------|------|------|--|--|------|------|-------|-------|

ROLLERS.

| | | | | | | | | | | | | | | | | | | | | | |
|---------------------|-------------|---------|--|--|---------|-----|-----|-------|-------|-------|---------|-------|-------|-------|------|--|-----|-------|-------|---------|---------|
| Belleville | Ger..... | \$964 | | | \$964 | 5 | 3 | \$34 | \$25 | \$75 | \$125 | \$50 | \$25 | \$25 | \$10 | | \$6 | \$50 | \$50 | \$526 | \$930 |
| East St. Louis..... | Am..... | 2,200 | | | 2,200 | 6 | 6 | 6 | 75 | 150 | 300 | 75 | 40 | 50 | 10 | | | 25 | 75 | 300 | 1,400 |
| " | Welsh | 1,000 | | | 1,431 | 6 | 5 | 204 | 45 | 150 | 300 | 50 | 35 | 75 | 10 | | | 50 | 75 | 934 | 487 |
| " | " | 1,775 | | | 1,883 | 7 | 5 | 5 | 183 | 45 | 300 | 50 | 30 | 50 | 3 | | | 50 | 75 | 924 | 883 |
| " | Am..... | 2,200 | | | 2,200 | 5 | 3 | 120 | 40 | 125 | 200 | 55 | 35 | 60 | 8 | | | 50 | 75 | 768 | 1,432 |
| Totals..... | 5 | \$8,040 | | | \$8,461 | 29 | 22 | \$576 | \$230 | \$650 | \$1,235 | \$240 | \$155 | \$350 | \$41 | | \$6 | \$175 | \$350 | \$3,918 | \$4,513 |
| Averages | | 1,603 | | | 1,692 | 5.4 | 4.4 | 144 | 46 | 130 | 245 | 56 | 31 | 52 | 8.20 | | | 35 | 70 | 589 | 902 |

ROLLING MILL HANDS.

| | | | | | | | | | | | | | | | | | | | | |
|---------------|------------|------------|------------|------------|-----|-----|-------|-------|---------|-------|-------|-------|-------|-------|-------|-------|-------|---------|-------|-------|
| Chicago..... | Irl-h..... | \$120..... | \$100..... | \$320..... | 5 | 4 | \$108 | \$10 | \$325 | \$160 | ..... | ..... | \$20 | ..... | \$5 | \$15 | \$30 | \$763 | \$57 | ..... |
| Joliet..... | ..... | 750 | ..... | 750 | 4 | 5 | 81 | 60 | 300 | 75 | ..... | ..... | 1 | ..... | 10 | 15 | 20 | 700 | 50 | ..... |
| "..... | ..... | 321 | 3.24 | 648 | 8 | 8 | ..... | 60 | 900 | 60 | 40 | 35 | 27 | ..... | ..... | 20 | 35 | 657 | ..... | \$9 |
| "..... | ..... | 261 | ..... | 711 | 4 | 5 | ..... | 45 | 250 | 30 | 25 | 40 | 10 | \$6 | ..... | 30 | 20 | 536 | 175 | ..... |
| "..... | ..... | 520 | ..... | 520 | 6 | 4 | ..... | 39 | 300 | 25 | 25 | 20 | 5 | ..... | 6 | 28 | 5 | 513 | 7 | ..... |
| Totals..... | 5 | \$2,275 | \$1,174 | \$1,419 | 27 | 26 | \$252 | \$244 | \$1,475 | \$350 | \$115 | \$125 | \$63 | ..... | \$21 | \$108 | \$110 | \$3,103 | \$298 | \$9 |
| Averages..... | ..... | 455 | ..... | 689 00 | 5.4 | 5.2 | 126 | 48 80 | 75 | 295 | 70 | 28 75 | 31 25 | 12 60 | ..... | 21 60 | 22 | 683 80 | 72 | ..... |

ROUGHERS.

| | | | | | | | | | | | | | | | | | | | | |
|---------------------|------------|---------|-------|---------|---|-----|-------|------|-------|-------|-------|-------|-------|------|-------|-------|-------|---------|-------|-------|
| East St. Louis..... | Eng..... | \$1,110 | ..... | \$1,100 | 2 | 4 | \$168 | \$15 | \$125 | \$190 | \$45 | \$20 | \$50 | \$2 | ..... | \$25 | \$50 | \$730 | \$380 | ..... |
| "..... | Irish..... | 1,110 | ..... | 1,110 | 4 | 3 | 96 | 35 | 125 | 210 | 40 | 15 | 25 | 7 | ..... | 10 | 50 | 613 | 497 | ..... |
| Totals..... | 2 | \$2,220 | ..... | \$2,220 | 6 | 7 | \$264 | \$80 | \$250 | \$400 | \$85 | \$35 | \$75 | \$3 | ..... | \$35 | \$110 | \$1,343 | \$877 | ..... |
| Averages..... | ..... | 1,110 | ..... | 1,110 | 3 | 3.5 | 132 | 40 | 125 | 200 | 42 50 | 17 50 | 37 50 | 4 50 | ..... | 17 50 | 55 | 671 50 | 438 | ..... |

SALT MAKER.

| | | | | | | | | | | | | | | | | | | | | | |
|--------------|---------|-------|-------|-------|---|---|-------|------|------|------|------|------|------|------|-------|-----|------|------|-------|-------|-------|
| DuQuoin..... | Am..... | \$780 | | \$780 | 3 | 7 | \$126 | \$15 | \$20 | \$50 | \$75 | \$12 | \$50 | \$11 | | \$7 | \$15 | \$10 | \$385 | \$395 | |
|--------------|---------|-------|-------|-------|---|---|-------|------|------|------|------|------|------|------|-------|-----|------|------|-------|-------|-------|

SAW FILER.

| | | | | | | | | | | | | | | | | | | | | | |
|-------------|-----------|-------|-------|-------|---|---|-------|------|------|-------|------|------|-----|-----|-------|-------|------|------|-------|-------|-------|
| Moline..... | Sean..... | \$580 | | \$580 | 5 | 3 | | \$18 | \$60 | \$225 | \$65 | \$25 | \$6 | \$5 | | | \$10 | \$25 | \$439 | \$441 | |
|-------------|-----------|-------|-------|-------|---|---|-------|------|------|-------|------|------|-----|-----|-------|-------|------|------|-------|-------|-------|

SAWYERS.

| PLACE. | Nationality. | ANNUAL EARNINGS OF— | | | ANNUAL EXPENDITURES FOR— | | | | | | | | | | | Total expenses | Surplus. | Debt. | |
|-----------------|--------------|---------------------|-----------|-------------|--------------------------|-----------|-----------|--------------|--------------|----------------------|-------------|------------|----------------|--------------|--------------|----------------|----------|-------|--------------|
| | | Husband.. | Wife..... | Children... | Rent..... | Fuel..... | Meat..... | Groceries... | Clothing.... | Boots and shoes..... | Dry goods.. | Books..... | Life insurance | Trade unions | Sickness.... | | | | Sundries.... |
| Chicago..... | Can..... | \$624 | | | \$108 | \$18 | \$130 | \$156 | \$40 | \$17 | \$10 | \$9 | \$20 | | \$14 | \$48 | \$600 | \$24 | |
| " | Am..... | 546 | | | 168 | 45 | 150 | 450 | 150 | 45 | 150 | 40 | 45 | | 50 | 16 | 1,312 | 4 | |
| " | Irish..... | 750 | | | 120 | 40 | 100 | 200 | 50 | 25 | 25 | 15 | 18 | | 30 | 100 | 727 | 23 | |
| Danville..... | Am..... | 600 | | | 40 | | | 250 | 150 | | 150 | 6 | | | | | 606 | | |
| Galena..... | " | 300 | | | | 35 | 36 | 150 | 100 | | | | | | 23 | 30 | 380 | 10 | |
| " | " | 337 | | | 72 | 30 | 60 | 160 | 50 | 15 | 4 | 5 | | | 5 | 10 | 401 | | |
| Moline..... | " | 387 | | | | 35 | 25 | 175 | 80 | 10 | | 5 | | | 75 | 30 | 565 | | |
| " | " | 400 | | | 120 | 45 | 75 | 150 | 75 | 35 | 25 | 5 | | | 25 | 1 | 436 | | |
| Rock Falls..... | " | 540 | | | | | | | | | | | | | | | | 104 | |
| Totals..... | 8 | \$4,237 | | \$300 | \$358 | \$348 | \$576 | \$1,681 | \$695 | \$147 | \$374 | \$91 | \$83 | \$17 | \$222 | \$285 | \$5,057 | \$105 | \$185 |
| Averages..... | | 529.62 | | | 117.60 | 43.75 | 82.28 | 210.12 | 86.87 | 24.50 | 53.43 | 11.37 | | | 27.75 | 29.37 | 632.12 | 33 | 61 |

SEAMEN.

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| Chicago..... | Eng..... | \$380 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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SECTION-BOSSES

| | | | | | | | | | | | | | | | | | |
|--------------|-------|---------|-----|-----|-------|-------|-------|---------|-------|-------|-------|------|------|-------|-------|---------|-------|
| Collinsville | Am. | \$660 | 7 | 4 | \$19 | \$80 | \$200 | \$50 | \$96 | \$50 | \$50 | \$10 | \$52 | \$43 | \$29 | \$311 | \$149 |
| Elgin | Irish | 840 | 4 | 6 | 40 | 60 | 225 | 40 | 50 | 75 | 75 | 8 | 8 | 15 | 75 | 640 | 200 |
| Gardner | Am. | 620 | 7 | 4 | \$90 | 30 | 150 | 35 | 47 | 75 | 75 | 5 | 5 | 35 | 15 | 507 | 113 |
| Mattoon | " | 600 | 7 | 5 | 144 | 40 | 220 | 350 | 125 | 50 | 50 | 5 | 5 | 12 | 15 | 979 | 197 |
| Pekin | " | 420 | 6 | 3 | 84 | 16 | 230 | 50 | 50 | 50 | 50 | 5 | 5 | 12 | 15 | 392 | 28 |
| Totals | 5 | \$3,060 | 31 | 22 | \$238 | \$145 | \$420 | \$1,155 | \$300 | \$177 | \$230 | \$23 | \$52 | \$105 | \$134 | \$3,029 | \$687 |
| Averages | | 612 | 6.2 | 4.4 | 96 | 29 | 105 | 231 | 60 | 44 | 75 | 4 | 60 | 21 | 26 | 605 | 139 |

SECTION-MEN.

| | | | | | | | | | | | | | | | | | |
|--------------|--------|---------|----|------|-------|-------|-------|---------|-------|-------|-------|------|-----|-------|-------|---------|-------|
| Alton | Irish | \$350 | 6 | 3 | 72 | 40 | \$25 | \$50 | \$35 | \$40 | \$50 | \$65 | \$5 | \$30 | \$10 | \$350 | \$11 |
| Aurora | " | 345 | 4 | 4 | 60 | 13 | 75 | 100 | 25 | 20 | 15 | 15 | 2 | 10 | 5 | 334 | 5 |
| Collinsville | Am. | 311 | 6 | 2 | 60 | 10 | 60 | 70 | 30 | 10 | 20 | 20 | 2 | 25 | 5 | 315 | 5 |
| " | Irish | 310 | 5 | 2 | 84 | 17 | 75 | 110 | 25 | 12 | 20 | 20 | 3 | 25 | 300 | 310 | 1 |
| Elgin | " | 419 | 4 | 3 | 86 | 30 | 50 | 149 | 20 | 20 | 60 | 60 | 3 | 10 | 10 | 352 | 1 |
| Equality | Am. | 352 | 4 | 4 | 35 | 21 | 26 | 65 | 22 | 18 | 25 | 25 | 3 | 15 | 10 | 231 | 33 |
| " | " | 264 | 4 | 3 | 36 | 24 | 35 | 55 | 22 | 18 | 25 | 25 | 2 | 25 | 25 | 242 | 77 |
| " | " | 240 | 4 | 2 | 36 | 24 | 35 | 66 | 25 | 31 | 35 | 35 | 2 | 55 | 55 | 293 | 2 |
| " | " | 216 | 5 | 2 | 28 | 20 | 45 | 200 | 50 | 50 | 45 | 45 | 5 | 15 | 10 | 315 | 45 |
| Fulton | Ger. | 350 | 3 | 3 | 60 | 20 | 40 | 90 | 40 | 30 | 30 | 30 | 8 | 15 | 10 | 328 | 16 |
| Galesburg | Irish | 312 | 4 | 4 | 60 | 20 | 25 | 124 | 35 | 30 | 30 | 30 | 5 | 6 | 5 | 242 | 44 |
| Gardner | Scand. | 288 | 5 | 2 | 18 | 24 | 24 | 160 | 50 | 40 | 40 | 40 | 5 | 5 | 10 | 457 | 65 |
| Peoria | Irish | 402 | 7 | 4 | 72 | 20 | 75 | 160 | 50 | 40 | 40 | 40 | 5 | 5 | 10 | 457 | 65 |
| Totals | 13 | \$4,177 | 61 | 38 | \$180 | \$286 | \$600 | \$1,399 | \$409 | \$249 | \$385 | \$25 | \$6 | \$246 | \$110 | \$4,195 | \$134 |
| Averages | | 321 | 31 | 4.65 | 2.92 | 60 | 23 | 46 | 15 | 107 | 62 | 31 | 46 | 18 | 92 | 322 | 69 |

SHEET-IRON WORKER.

| | | | | | | | | | | | | | | |
|--------|-----|-------|---|---|------|------|------|------|------|------|------|-------|-------|------|
| Moline | Am. | \$600 | 4 | 6 | \$30 | \$50 | \$24 | \$75 | \$10 | \$10 | \$30 | \$100 | \$545 | \$55 |
|--------|-----|-------|---|---|------|------|------|------|------|------|------|-------|-------|------|

SHOEMAKERS.

| PLACE. | Nationality..... | ANNUAL EARN- INGS OF— | | | ANNUAL EXPENDITURES FOR— | | | | | | | | | | | Total expenses.... | Surplus..... | Debt..... | |
|-------------------|------------------|--------------------------|------------|-------------|--------------------------|-----------|-----------|---------------|---------------|-------------------------|-------------|------------|--------------------------|--------------|---------------|--------------------|--------------|-----------|---------------|
| | | Husband .. | Wife | Children .. | Rent..... | Fuel..... | Meat..... | Groceries ... | Clothing | Boots and shoes..... | Dry goods.. | Books..... | Life insur- ance..... | Trade unions | Sickness | | | | Sundries |
| Aurora..... | Ger..... | \$624 | | | 6 | \$84 | \$75 | \$60 | \$100 | \$50 | \$15 | \$60 | \$10 | | | \$20 | \$475 | \$149 | |
| Bloomington..... | Am..... | 675 | | | 3 | 36 | 36 | 50 | 150 | 20 | 20 | 25 | 6 | | | 10 | 401 | 274 | |
| Centralia..... | Ger..... | 624 | | | 6 | 40 | 40 | 390 | 30 | 15 | 80 | 5 | \$50 | | 25 | 75 | 620 | 4 | |
| Champaign..... | "..... | 468 | | | 4 | 31 | 35 | 156 | 45 | 13 | 10 | 3 | | | 40 | 30 | 328 | 140 | |
| "..... | Irish..... | 468 | | | 3 | 55 | 55 | 168 | 35 | 12 | 6 | 15 | 1 | | 17 | 34 | 301 | 167 | |
| "..... | Am..... | 390 | | \$231 | 11 | 50 | 50 | 300 | 185 | | | 15 | | | 19 | 34 | 585 | 36 | |
| Chicago..... | "..... | 312 | | | 3 | 57 | 57 | 152 | 23 | 23 | 11 | 9 | 3 | | 19 | 34 | 585 | 4 | |
| "..... | Am..... | 700 | | | 3 | 60 | 60 | 96 | 36 | 25 | 25 | 50 | 12 | \$4 | 100 | 66 | 797 | | |
| "..... | Irish..... | 450 | | 260 | 4 | 144 | 42 | 300 | 45 | | | 29 | 20 | | 50 | 12 | 681 | | |
| "..... | Irish..... | 416 | | | 4 | 144 | 24 | 197 | 75 | | | 27 | 3 | | 11 | 36 | 445 | 5 | |
| Equality..... | Ger..... | 370 | | 75 | 4 | 32 | 43 | 55 | 27 | 18 | 18 | 27 | 3 | | 5 | | 281 | 89 | |
| Freeport..... | "..... | 396 | | | 4 | 35 | 55 | 80 | 55 | 25 | 25 | 25 | 6 | | 95 | 16 | 455 | 16 | |
| Galesburg..... | "..... | 468 | | | 4 | 72 | 35 | 50 | 54 | 30 | 15 | 25 | | | 30 | 10 | 327 | 141 | |
| "..... | "..... | 360 | | | 5 | 36 | 30 | 20 | 160 | 80 | | | | | | 15 | 345 | 15 | |
| "..... | "..... | 360 | | | 5 | 36 | 25 | 50 | 100 | 60 | | | | | | 10 | 300 | 15 | |
| Galesburg..... | Irish..... | 468 | | | 5 | 30 | 50 | 112 | 110 | 15 | 20 | 25 | 5 | | 13 | 43 | 350 | 118 | |
| Jacksonville..... | Scot..... | 360 | | | 4 | 40 | 40 | 100 | 100 | 15 | 15 | 65 | | | 50 | 30 | 480 | 12 | |
| Joliet..... | Eng..... | 624 | | | 3 | 35 | 35 | 250 | 125 | 15 | 10 | 16 | | | 10 | 20 | 500 | 24 | |
| "..... | Ger..... | 300 | | | 6 | 108 | 12 | 25 | 200 | 10 | 10 | 10 | 1 | | 25 | 25 | 598 | 26 | |
| Moline..... | Scot..... | 624 | | | 3 | 30 | 50 | 50 | 250 | 40 | 30 | 30 | 10 | | 25 | 25 | 324 | | |
| "..... | Am..... | 721 | | | 7 | 290 | 50 | 80 | 200 | 75 | 20 | 11 | 10 | | 30 | 30 | 620 | 104 | |
| Peoria..... | Am..... | 468 | | | 5 | 40 | 55 | 246 | 65 | 18 | 12 | 10 | | | 25 | 50 | 721 | | |
| "..... | Eng..... | 336 | | | 4 | 35 | 35 | 110 | 30 | 25 | 15 | 5 | | | 25 | 15 | 583 | 115 | |
| "..... | French..... | 336 | | | 4 | 84 | 18 | 40 | 100 | 25 | 20 | 35 | 5 | 3 | 6 | 12 | 348 | 12 | |
| Pontiac..... | Am..... | 1,040 | | 416 | 5 | 48 | | 290 | 50 | 40 | 35 | 20 | 10 | | 50 | 50 | 593 | 348 | |
| "..... | "..... | 900 | | 540 | 7 | 40 | 100 | 240 | 25 | 15 | 50 | 25 | | | 25 | 25 | 545 | 355 | |
| "..... | Am..... | 600 | | | 5 | 40 | 150 | 175 | 40 | 75 | 100 | 35 | | | 35 | 35 | 685 | 85 | |
| Rock Island..... | Ger..... | 630 | | | 10 | 35 | 120 | 180 | 20 | 12 | 15 | 50 | 5 | | | 25 | 455 | 175 | |
| Sterling..... | "..... | 600 | | | 5 | 35 | 65 | 175 | 80 | 20 | 12 | 8 | 8 | | | 40 | 519 | 81 | |
| "..... | "..... | 525 | | | 7 | 50 | 75 | 150 | 25 | 20 | 25 | 2 | | | 5 | 1 | 353 | 172 | |
| Totals..... | 32 | \$11,957 | \$300 | \$1,672 | 173 | \$1,225 | \$1,497 | \$5,350 | \$1,746 | \$519 | \$973 | \$251 | \$85 | \$13 | \$761 | \$800 | \$14,609 | \$2,608 | \$498 |
| Averages .. | | 467 40 | | | 5.41 | 88 31 | 65 09 | 167 18 | 54 56 | 20 76 | 37 42 | 7 84 | | | 23 78 | 26 87 | 458 41 | 127 | 45 |

SILVER PLATER.

| | | | | | | | | | | | | | | | | | |
|---------------|---------|-------------|-------------|---|------|------|------|-------|------|------|------|-----|-------|-----|------|------|-------|
| Chicago | Am..... | \$320 | \$320 | 2 | \$48 | \$25 | \$30 | \$125 | \$20 | \$30 | \$25 | \$3 | | \$4 | \$10 | \$20 | |
|---------------|---------|-------------|-------------|---|------|------|------|-------|------|------|------|-----|-------|-----|------|------|-------|

SHOOTER (COAL).

| | | | | | | | | | | | | | | | | | | | | |
|-------------------|---------|-------|-------|-------|---|---|------|------|------|-------|------|------|------|-----|-------|------|------|-------|-------|-------|
| Collinsville..... | Am..... | \$730 | | \$720 | 5 | 4 | \$78 | \$23 | \$90 | \$190 | \$40 | \$90 | \$50 | \$5 | | \$41 | \$36 | \$582 | \$198 | |
|-------------------|---------|-------|-------|-------|---|---|------|------|------|-------|------|------|------|-----|-------|------|------|-------|-------|-------|

SODA WATER MAKER.

| Champaign..... | Ger | \$780 | \$780 | 6 | \$100 | \$50 | \$75 | \$150 | \$150 | ..... | \$25 | \$15 | .... | \$50 | \$25 | \$640 | \$140 | .... |
|----------------|-----------|-------------|-------------|---|-------|------|------|-------|-------|-------|------|------|------|------|------|-------|-------|------|
| Champaign..... | Ger | \$780 | \$780 | 6 | \$100 | \$50 | \$75 | \$150 | \$150 | ..... | \$25 | \$15 | .... | \$50 | \$25 | \$640 | \$140 | .... |

SPINNER.

| | | | | | | | | | | | | | | | | | | |
|------------|-------|-------|-------|-----|---|------|------|-------|-------|------|------|------|-----|-------|------|-------|-------|-------|
| Alton..... | \$270 | ..... | \$432 | 702 | 5 | \$96 | \$25 | \$100 | \$240 | \$40 | \$35 | \$40 | \$6 | ..... | \$20 | \$100 | \$702 | ..... |
| Alton..... | \$270 | ..... | \$432 | 702 | 5 | \$96 | \$25 | \$100 | \$240 | \$40 | \$35 | \$40 | \$6 | ..... | \$20 | \$100 | \$702 | ..... |

STAIR BUILDER.

| | | | | | | | | | | | | | | | | | | | |
|-------------------|---------|-------|-------|-------|---|---|-------|------|-------|-------|-------|-------|-----|-------|------|------|-------|-------|------|
| Jacksonville..... | Am..... | \$604 | | \$604 | 2 | 4 | \$120 | \$35 | | \$156 | \$130 | | \$5 | | \$10 | \$12 | \$468 | \$136 | |
|-------------------|---------|-------|-------|-------|---|---|-------|------|-------|-------|-------|-------|-----|-------|------|------|-------|-------|------|

STATION AGENTS.

| Place. | Nationality | ANNUAL EARN- INGS OF— | | | Total earnings | Number in family. | Number of rooms occupied | ANNUAL EXPENDITURES FOR— | | | | | | | | | | | | Total expenses..... | Surplus | Debt..... |
|-------------------|-------------------|--------------------------|------------|-------------|---------------------|-------------------|-----------------------------------|--------------------------|-----------|-----------|---------------|---------------|-------------------------|-------------|------------|--------------------------|--------------|--------------|---------------|---------------------|---------------|-----------|
| | | Husband .. | Wife. | Children... | | | | Rent..... | Fuel..... | Meat..... | Groceries.... | Clothing..... | Boots and shoes..... | Dry goods.. | Books..... | Life insur- ance..... | Trade unions | Sickness ... | Sundries | | | |
| Belleville..... | Am..... | \$1,080 | | | \$1,080 | 3 | 4 | \$162 | \$40 | \$125 | \$191 | \$20 | \$35 | \$15 | \$5 | | | | \$202 | \$690 | \$390 | |
| East St. Louis... | "..... | 1,080 | | | 1,080 | 3 | 2 | 48 | 50 | 75 | 317 | 75 | 15 | 10 | | | | 15 | 100 | 850 | 250 | |
| Gardner..... | "..... | 540 | | | 540 | 4 | 4 | 84 | 50 | 48 | 72 | 100 | 25 | 25 | | | | 25 | 25 | 429 | 111 | |
| Pontiac..... | "..... | 780 | | | 780 | 3 | 6 | 70 | 70 | 20 | 50 | 60 | 15 | 40 | 10 | | | 25 | 65 | 365 | 425 | |
| Totals..... | 4 | \$3,480 | | | \$3,480 | 12 | 16 | \$234 | \$210 | \$193 | \$630 | \$255 | \$90 | \$155 | \$25 | | | \$85 | \$97 | \$2,304 | \$1,176 | |
| Averages..... | | 870 | | | 870 | 3 | 4 | 98 | 52 50 | 64 33 | 157 50 | 63 25 | 22 50 | 38 75 | 6 25 | | | 21 25 | 91 75 | 576 | 291 | |

STONE MASONS.

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| Alton..... | Eng..... | \$452 | | | 2 | 2 | | 3 | | \$20 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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STONE CUTTERS.

| | | | | | | | | | | | | | | | | |
|----------|-----|---------|---------|------|------|-------|-------|---------|---------|---------|-------|-------|------|-------|-------|-------------|
| Sterling | Am. | 375 | 375 | 3 | 5 | 50 | 50 | 100 | 26 | 25 | 35 | 10 | 10 | 10 | 318 | 57 |
| Scotch | | 206 | 396 | 4 | 5 | 30 | 30 | 100 | 30 | 40 | 25 | 25 | 25 | 25 | 261 | 25 |
| Totals | 19 | \$8,575 | \$9,225 | 86 | 89 | \$636 | \$602 | \$1,173 | \$3,062 | \$1,108 | \$424 | \$106 | \$20 | \$12 | \$908 | \$9,091 |
| Averages | | 467 21 | 488 53 | 4.53 | 4.76 | 106 | 31 68 | 69 | 192 74 | 57 26 | 25 53 | 25 12 | 5 58 | ..... | 32 | 478 47 |
| | | | | | | | | | | | | | | | | 73 84 |
| | | | | | | | | | | | | | | | | \$407 \$573 |

16

| | | | | | | | | | | | | | | | | | | |
|-------------|--------|----------|----------|------|------|---------|-------|---------|---------|---------|-------|-------|-------|-------|-------|-------|---------|---------|
| Alton | Am. | \$370 | \$375 | 24 | 4 | \$26 | \$30 | \$33 | \$102 | \$45 | \$12 | \$7 | \$2 | \$2 | \$11 | \$12 | \$269 | \$106 |
| Chicago | Ger. | 375 | 375 | 4 | 4 | 72 | 30 | 60 | 180 | 15 | 12 | 10 | 15 | 15 | 5 | 100 | 375 | 250 |
| | Irish | 1,008 | 840 | 4 | 3 | 108 | 30 | 30 | 250 | 75 | 40 | 50 | 10 | 10 | 20 | 100 | 914 | 94 |
| | | 1,744 | 1,008 | 6 | 5 | 114 | 30 | 30 | 400 | 100 | 40 | 50 | 10 | 10 | 15 | 100 | 593 | 151 |
| | Ger. | 882 | 708 | 5 | 4 | 108 | 30 | 30 | 275 | 75 | 40 | 50 | 10 | 10 | 25 | 100 | 692 | 194 |
| | Irish | 708 | 882 | 5 | 4 | 120 | 30 | 30 | 300 | 150 | 40 | 50 | 10 | 10 | 25 | 100 | 715 | 153 |
| Galesburg | Am. | 600 | 600 | 2 | 5 | 120 | 40 | 35 | 110 | 100 | 30 | 80 | 6 | 6 | 30 | 40 | 567 | 13 |
| | Irish | 600 | 600 | 2 | 5 | 120 | 40 | 35 | 110 | 100 | 30 | 80 | 6 | 6 | 30 | 40 | 567 | 13 |
| | Am. | 432 | 432 | 5 | 4 | 120 | 30 | 30 | 105 | 100 | 30 | 80 | 6 | 6 | 30 | 40 | 567 | 13 |
| Moline | Am. | 765 | 765 | 4 | 5 | 120 | 30 | 30 | 175 | 80 | 16 | 9 | 10 | 10 | 20 | 50 | 590 | 175 |
| | Am. | 840 | 840 | 4 | 5 | 120 | 30 | 30 | 200 | 60 | 20 | 10 | 10 | 10 | 20 | 50 | 590 | 175 |
| | Am. | 720 | 720 | 5 | 4 | 96 | 30 | 30 | 175 | 80 | 16 | 9 | 10 | 10 | 20 | 50 | 590 | 175 |
| Peoria | Ger. | 420 | 420 | 3 | 3 | 84 | 16 | 40 | 140 | 40 | 20 | 10 | 8 | 8 | 20 | 20 | 411 | 107 |
| | Irish | 378 | 378 | 4 | 4 | 84 | 20 | 50 | 150 | 60 | 20 | 10 | 8 | 8 | 20 | 20 | 411 | 107 |
| | Am. | 500 | 500 | 4 | 4 | 84 | 20 | 50 | 140 | 20 | 30 | 60 | 5 | 5 | 10 | 15 | 454 | 309 |
| Quincy | Am. | 637 | 637 | 3 | 4 | 84 | 20 | 50 | 140 | 20 | 30 | 60 | 5 | 5 | 10 | 15 | 454 | 309 |
| Rock Island | Am. | 720 | 720 | 2 | 3 | 60 | 25 | 30 | 175 | 100 | 15 | 4 | 4 | 4 | 10 | 15 | 523 | 56 |
| | Am. | 840 | 840 | 5 | 4 | 108 | 35 | 65 | 200 | 100 | 25 | 4 | 4 | 4 | 10 | 15 | 523 | 56 |
| | Am. | 480 | 480 | 5 | 4 | 96 | 35 | 65 | 175 | 125 | 18 | 8 | 8 | 8 | 20 | 35 | 483 | 257 |
| | Am. | 624 | 624 | 4 | 4 | 72 | 35 | 60 | 155 | 75 | 18 | 8 | 8 | 8 | 20 | 35 | 483 | 257 |
| | Am. | 600 | 600 | 6 | 4 | 108 | 25 | 52 | 236 | 55 | 35 | 32 | 2 | 2 | 10 | 15 | 547 | 202 |
| | Eng. | 624 | 624 | 8 | 5 | 108 | 25 | 52 | 236 | 55 | 35 | 32 | 2 | 2 | 10 | 15 | 547 | 202 |
| | Ger. | 546 | 546 | 6 | 4 | 108 | 25 | 52 | 236 | 55 | 35 | 32 | 2 | 2 | 10 | 15 | 547 | 202 |
| | Irish | 588 | 588 | 7 | 7 | 108 | 30 | 80 | 260 | 70 | 48 | 40 | 15 | 15 | 30 | 30 | 599 | 101 |
| | Irish | 588 | 588 | 7 | 7 | 108 | 30 | 80 | 260 | 70 | 48 | 40 | 15 | 15 | 30 | 30 | 599 | 101 |
| | Scotch | 588 | 588 | 5 | 5 | 108 | 30 | 75 | 240 | 60 | 40 | 50 | 19 | 19 | 25 | 25 | 603 | 8 |
| | Scotch | 672 | 672 | 9 | 5 | 108 | 25 | 75 | 360 | 80 | 25 | 35 | 14 | 14 | 40 | 40 | 578 | 36 |
| | Scotch | 672 | 672 | 9 | 5 | 108 | 25 | 75 | 360 | 80 | 25 | 35 | 14 | 14 | 40 | 40 | 578 | 36 |
| Totals | 28 | \$15,553 | \$17,553 | 130 | 116 | \$2,016 | \$317 | \$1,090 | \$6,019 | \$2,000 | \$631 | \$781 | \$208 | \$139 | \$381 | \$544 | \$1,346 | \$2,212 |
| Averages | | 627 07 | 627 96 | 4.64 | 4.14 | 96 | 29 | 18 | 214 | 96 | 71 | 43 | 27 | 48 | 32 | 53 | 48 | 54 |

STOVE MOUNTERS.

| PLACE. | Nationality | ANNUAL EARN- INGS OF— | | | Total earnings..... | Number in family. | Number of rooms occupied..... | ANNUAL EXPENDITURES FOR— | | | | | | | | | | | | Total expenses.... | Surplus | Debt..... |
|------------------|-------------------|--------------------------|-----------|-------------|---------------------|-------------------|----------------------------------|--------------------------|------------|-----------|--------------|---------------|--------------------------|--------------|------------|---------------------------|--------------|---------------|---------------|--------------------|---------------|-----------|
| | | Husband .. | Wife..... | Children... | | | | Rent..... | Fuel..... | Meat..... | Groceries .. | Clothing..... | Boots and shoes | Dry goods... | Books..... | Life insur- ance | Trade unions | Sickness..... | Sundries..... | | | |
| Rock Island..... | Am..... | \$433 408 | | | \$433 408 | 3 2 | 3 4 | \$48 84 | \$13 20 | | \$192 192 | \$40 50 | \$15 15 | \$30 | \$5 | \$16 | \$3 | \$8 | \$40 25 | \$410 389 | \$23 19 | |
| Totals..... | 2 | \$841 | | | \$841 | 5 | 7 | \$132 | \$33 | | \$394 | \$90 | \$30 | \$30 | \$5 | \$16 | \$6 | \$8 | \$65 | \$799 | \$42 | |
| Averages..... | | 420 50 | | | 420 50 | 2.5 | 3.5 | 66 | 16 | | 192 | 45 | 15 | | 2 50 | | | 4 | 32 50 | 389 50 | 21 | |

STREET CAR CONDUCTORS.

| PLACE. | Nationality | ANNUAL EARNINGS OF— | | | ANNUAL EXPENDITURES FOR— | | | | | | | | | | | Total | | | | | | | |
|---------------|-------------------|---------------------|-----------|-------------|--------------------------|-------------------|-------------------------------|--------------|-------------|-----------|--------------|---------------|----------------------|--------------|------------|----------------------|--------------|---------------|---------------|--------------------|---------------|------------|--|
| | | Husband .. | Wife..... | Children... | Total earnings..... | Number in family. | Number of rooms occupied..... | Rent..... | Fuel..... | Meat..... | Groceries .. | Clothing..... | Boots and shoes..... | Dry goods... | Books..... | Life insurance | Trade unions | Sickness..... | Sundries..... | Total expenses.... | Surplus | Debt..... | |
| Chicago..... | Am..... | \$690 700 | | | \$690 700 | 4 5 | 4 5 | \$120 180 | \$60 250 | | \$280 | \$150 | | | | \$15 | | \$5 | \$20 | \$40 75 | \$690 695 | \$23 45 | |
| " | Irish..... | 780 | | | 780 | 6 | 6 | 216 | 45 | \$70 | 215 | 175 | | | | 15 | | 10 | 5 | 20 | 680 | 100 | |
| " | Ger..... | 728 | | | 728 | 6 | 6 | 144 | 22 | | 350 | 150 | | | | 1 | | 30 | 150 | 756 | 28 | | |
| " | " | 700 | | | 700 | 8 | 8 | 96 | 15 | | 400 | 90 | | | | | | 75 | 100 | 827 | 27 | | |
| " | Irish..... | 672 | | | 672 | 6 | 6 | 204 | 20 | | 350 | 50 | | | | | | 10 | | 684 | 12 | | |
| " | " | 576 | | | 576 | 9 | 9 | 84 | 15 | | 184 | 25 | | | | | | 5 | 243 | 576 | 23 | | |
| " | " | 700 | | | 700 | 7 | 7 | 96 | 15 | | 840 | 75 | | | | | | 100 | 50 | 677 | 23 | | |
| " | " | 700 | | | 700 | 5 | 5 | 80 | 20 | | 400 | 100 | | | | | | 40 | 55 | 800 | 200 | | |
| " | Am..... | 1,000 738 | | | 1,000 738 | 8 | 8 | 180 144 | 20 | | 384 | 150 | | | | | | 100 | 100 | 896 | 160 | | |
| Totals..... | 10 | \$7,284 | | | \$7,284 | 67 | 41 | \$1,461 | \$482 | \$70 | \$2,743 | \$1,110 | \$10 | \$10 | \$37 | | \$19 | \$405 | \$883 | \$7,183 | \$328 | \$227 | |
| Averages..... | | 698 40 | | | 728 40 | 6.7 | 4.1 | 146 40 | 48 20 | | 304 77 | 111 | | | | 3 70 | | 40 50 | 83 30 | 718 30 | 52 | 56 | |

STREET CAR DRIVERS.

| | | | | | | | | | | | | | | | | | |
|---------------|--------|---------|-----|-----|---------|-------|-------|---------|---------|-------|-------|-------|------|------|-------|---------|---------|
| Aurora..... | Am. | \$375 | 7 | 6 | \$60 | \$35 | \$84 | \$100 | \$20 | \$10 | \$25 | \$5 | \$5 | \$15 | \$359 | \$16 | \$7 |
| Chicago..... | Irish. | 751 | 5 | 7 | 210 | 15 | 75 | 332 | 150 | 50 | 75 | 50 | 18 | 800 | 768 | 29 | |
| " | " | 2,019 | 10 | 4 | 90 | 60 | 75 | 400 | 150 | 50 | 50 | 10 | 150 | 950 | 1,990 | 29 | |
| " | Ger. | 895 | 5 | 3 | 144 | 22 | 17 | 425 | 240 | 100 | 100 | 5 | 25 | 95 | 550 | 72 | |
| " | Am. | 738 | 6 | 5 | 144 | 22 | 17 | 390 | 100 | 100 | 100 | 5 | 50 | 50 | 666 | 100 | |
| " | Am. | 618 | 6 | 4 | 120 | 35 | 135 | 165 | 100 | 100 | 100 | 5 | 12 | 35 | 548 | 100 | |
| " | Ger. | 558 | 6 | 4 | 120 | 28 | 135 | 200 | 26 | 100 | 55 | 18 | 35 | 63 | 528 | 10 | |
| " | Ger. | 608 | 4 | 3 | 96 | 20 | 30 | 300 | 100 | 20 | 50 | 3 | 5 | 40 | 507 | 101 | 4 |
| " | Am. | 700 | 4 | 3 | 96 | 20 | 30 | 200 | 100 | 20 | 50 | 3 | 20 | 100 | 704 | 101 | 4 |
| Dunville..... | Am. | 546 | 2 | 2 | 20 | 20 | 20 | 150 | 50 | 20 | 50 | 10 | 25 | 25 | 395 | 151 | |
| " | Irish. | 400 | 2 | 2 | 20 | 20 | 20 | 50 | 40 | 40 | 50 | 10 | 10 | 170 | 230 | | |
| Totals..... | 11 | \$7,023 | 55 | 46 | \$1,134 | \$300 | \$109 | \$2,590 | \$1,001 | \$98 | \$415 | \$104 | \$15 | \$10 | \$355 | \$1,199 | \$7,680 |
| Averages..... | | 638 45 | 5 4 | 3 7 | 141 75 | 32 73 | 103 | 235 45 | 91 24 | 50 57 | 86 9 | 45 | 23 | 18 | 109 | 689 09 | 88 5 |

SWITCHMEN.

| | | | | | | | | | | | | | | | | |
|---------------------|--------|---------|------|------|--------|--------|--------|-------|-------|------|-------|-------|--------|---------|-------|------|
| Danville..... | Irish. | \$480 | 6 | 4 | \$150 | \$20 | \$20 | \$150 | \$50 | \$20 | \$10 | \$15 | \$100 | \$190 | \$10 | |
| East St. Louis..... | Am. | 728 | 9 | 3 | 120 | 20 | \$60 | 180 | 50 | 25 | 15 | 15 | 10 | 560 | \$168 | |
| Mattoon..... | " | 680 | 4 | 4 | 120 | 30 | 150 | 200 | 75 | 15 | 15 | 9 | 10 | 518 | 142 | |
| Totals..... | 3 | \$1,868 | 13 | 11 | \$270 | \$70 | \$270 | \$570 | \$175 | \$60 | \$55 | \$18 | \$110 | \$1,568 | \$310 | \$10 |
| Averages..... | | 622 66 | 4 33 | 3 66 | 135 23 | 33 105 | 176 66 | 58 33 | 20 27 | 50 6 | 36 66 | 23 33 | 523 66 | 155 | | |

TAILORS.

| | | | | | | | | | | | | | | | | |
|-------------------|------------|-------|---|----|-------|------|-------|-------|-------|-------|-------|------|-------|-------|------|-------|
| Champaign..... | Irish..... | \$621 | 7 | 18 | ..... | \$50 | ..... | \$351 | \$225 | ..... | \$12 | \$20 | ..... | \$105 | \$84 | \$459 |
| Chicago..... | Bohemian | 624 | 2 | 4 | \$108 | 30 | ..... | 150 | 15 | ..... | ..... | 4 | ..... | 63 | 371 | 253 |
| " | Ger. | 900 | 6 | 5 | ..... | 30 | \$200 | 275 | 130 | 35 | 95 | 10 | \$10 | 15 | 88 | \$288 |
| " | Irish | 420 | 5 | 5 | 228 | 30 | ..... | 75 | 75 | ..... | ..... | 8 | 10 | 15 | 815 | 425 |
| " | Am. | 600 | 5 | 5 | 78 | 30 | 100 | 120 | 75 | 25 | 40 | 6 | 10 | 15 | 501 | 131 |
| Danville..... | Irish | 480 | 4 | 3 | 96 | 20 | 35 | 100 | 50 | 30 | 80 | 5 | 15 | 10 | 469 | 9 |
| Galesburg..... | Seam. | 480 | 4 | 3 | 96 | 20 | 35 | 100 | 50 | 30 | 80 | 5 | 15 | 10 | 471 | 70 |
| Jacksonville..... | Seam. | 400 | 3 | 4 | ..... | 36 | 40 | 300 | 100 | ..... | ..... | 10 | 25 | 20 | 354 | 40 |
| " | Ger. | 400 | 6 | 5 | 120 | 36 | ..... | 250 | 200 | ..... | ..... | 15 | 50 | 40 | 711 | 65 |
| Totals..... | | 374 | 7 | 5 | ..... | 36 | ..... | 250 | 200 | ..... | ..... | 15 | 50 | 40 | 711 | 65 |

Tailors—Continued.

| PLACE. | Nationality | ANNUAL EARNINGS OF— | | | ANNUAL EXPENDITURES FOR— | | | | | | | | | | | | Total expenses... | Surplus | Debt..... |
|---------------|-------------|---------------------|-----------|-------------|--------------------------|-----------|-----------|--------------|--------------|----------------------|--------------|------------|---------------------|--------------|----------------|----------------|-------------------|---------------|-----------|
| | | Husband.. | Wife..... | Children... | Rent..... | Fuel..... | Meat..... | Groceries... | Clothing.... | Boots and shoes..... | Dry goods... | Books..... | Life insurance..... | Trade unions | Sickness | Sundries | | | |
| Moline..... | Scan..... | \$600 | \$410 | | 6 | \$75 | \$125 | \$600 | \$350 | \$60 | \$12 | \$15 | | | | \$50 | \$1,287 | | \$277 |
| Pontiac..... | Am..... | 282 | 405 | | 4 | 40 | 5 | 150 | 75 | 30 | 10 | 2 | | | | 15 | 352 | \$5 | |
| "..... | Am..... | 520 | | | 7 | \$84 | 35 | 156 | 30 | 14 | 50 | 10 | | | | 10 | 425 | 95 | |
| "..... | Eng..... | 600 | 450 | | 4 | 40 | 75 | 300 | 50 | 40 | 100 | 5 | \$35 | | | 25 | 680 | 370 | |
| "..... | Ger..... | 547 | 100 | | 4 | 53 | 91 | 225 | 60 | 35 | 75 | 15 | | | | 25 | 585 | 62 | |
| Sterling..... | "..... | 490 | | | 6 | 45 | 100 | 75 | 50 | 25 | 25 | 6 | 15 | | | 5 | 361 | 119 | |
| Totals..... | 16 | \$3,687 | \$995 | \$1,434 | 89 | \$715 | \$765 | \$3,811 | \$1,745 | \$312 | \$479 | \$136 | \$190 | \$6 | \$303 | \$708 | \$9,914 | \$2,028 | \$776 |
| Averages... | | 542 94 | | | 5.5 | 119 44 | 47 81 | 240 06 | 109 66 | 52 | 79 50 | 8 50 | | | 118 94 | 44 25 | 619 62 | 169 | 191 |

TELEGRAPHISTS.

| PLACE. | Nationality | ANNUAL EARNINGS OF— | | | ANNUAL EXPENDITURES FOR— | | | | | | | | | | | | Total expenses... | Surplus | Debt..... |
|----------------|-------------|---------------------|-----------|-------------|--------------------------|-----------|-----------|--------------|--------------|----------------------|--------------|------------|---------------------|--------------|----------------|----------------|-------------------|---------------|-----------|
| | | Husband.. | Wife..... | Children... | Rent..... | Fuel..... | Meat..... | Groceries... | Clothing.... | Boots and shoes..... | Dry goods... | Books..... | Life insurance..... | Trade unions | Sickness | Sundries | | | |
| Chicago..... | Am..... | \$1,080 | | | 4 | \$215 | \$50 | \$230 | \$250 | | | \$12 | | | | \$110 | \$958 | \$212 | |
| Champaign..... | "..... | 600 | | | 3 | 120 | 65 | 180 | 87 | | | 3 | | | | 50 | 557 | 43 | |
| Pontiac..... | "..... | 585 | | | 4 | 144 | \$45 | 150 | 40 | \$15 | \$100 | 30 | \$42 | | | 15 | 599 | | \$14 |
| Totals..... | 3 | \$2,265 | | | 11 | \$480 | \$45 | \$560 | \$377 | \$15 | \$100 | \$45 | \$42 | | | \$20 | \$2,024 | \$255 | \$14 |
| Averages... | | 755 | | | 3.66 | 160 | 55 | 186 66 | 125 66 | | | 15 | | | 6 66 | 58 38 | 674 66 | 147 | |

TEAMSTERS.

| | \$413 | \$50 | \$68 | 10 | 3 | \$72 | \$30 | \$50 | \$200 | \$25 | \$20 | \$60 | \$7 | | \$15 | \$60 | \$467 | \$4 |
|---------------------|-------|-------|-------|----|---|-------|-------|-------|-------|------|-------|-------|-------|-------|-------|-------|-------|-------|
| Alton..... | 480 | ..... | 490 | 10 | 3 | ..... | 40 | 85 | 114 | 25 | 15 | 80 | 5 | ..... | 40 | 15 | 471 | ..... |
| Aurora..... | 432 | ..... | 432 | 6 | 5 | 96 | 75 | 96 | 120 | 20 | 25 | 20 | 15 | ..... | 5 | 15 | 431 | ..... |
| " "..... | 576 | ..... | 576 | 6 | 6 | 96 | 55 | 78 | 250 | 20 | 12 | 20 | 5 | ..... | 5 | 15 | 561 | ..... |
| " "..... | 540 | ..... | 510 | 6 | 6 | 96 | 60 | 120 | 144 | 15 | 15 | 35 | 5 | ..... | 15 | 15 | 525 | ..... |
| " "..... | 378 | ..... | 428 | 3 | 3 | 108 | 48 | 60 | 144 | 35 | 18 | 35 | 10 | ..... | 15 | 25 | 890 | ..... |
| Bloomington..... | 600 | ..... | 600 | 4 | 3 | ..... | 80 | 60 | 150 | 15 | 15 | 25 | 5 | ..... | 5 | ..... | 429 | ..... |
| " "..... | 450 | ..... | 450 | 4 | 4 | 96 | 30 | 70 | 240 | 30 | 50 | 30 | 5 | ..... | 50 | ..... | 446 | ..... |
| " "..... | 1,150 | 600 | 1,150 | 4 | 4 | ..... | 35 | 70 | 240 | 50 | 50 | 25 | 5 | ..... | 50 | ..... | 627 | 528 |
| " "..... | 400 | ..... | 400 | 3 | 3 | 72 | 35 | 75 | 125 | 20 | 20 | 40 | 5 | ..... | 15 | ..... | 427 | 27 |
| " "..... | 600 | ..... | 600 | 3 | 3 | 144 | 35 | 100 | 150 | 75 | 20 | 40 | 5 | ..... | 5 | ..... | 444 | ..... |
| " "..... | 600 | ..... | 600 | 3 | 3 | 144 | 35 | 100 | 150 | 75 | 20 | 40 | 5 | ..... | 10 | ..... | 509 | ..... |
| " "..... | 864 | ..... | 864 | 7 | 5 | 36 | 30 | 60 | 175 | 25 | 30 | 75 | 5 | ..... | 10 | ..... | 412 | ..... |
| " "..... | 300 | ..... | 300 | 5 | 5 | ..... | 50 | 75 | 200 | 25 | 20 | 25 | 5 | ..... | 10 | ..... | 990 | 60 |
| " "..... | 475 | 200 | 475 | 5 | 5 | ..... | 35 | 75 | 150 | 65 | 50 | 25 | 5 | ..... | 10 | ..... | 490 | ..... |
| " "..... | 450 | ..... | 450 | 3 | 3 | 90 | 40 | 70 | 150 | 25 | 15 | 25 | 5 | ..... | 5 | ..... | 359 | 111 |
| Carlinville..... | 380 | ..... | 380 | 4 | 4 | 60 | 20 | ..... | 125 | 90 | ..... | ..... | ..... | ..... | ..... | ..... | 285 | 75 |
| Champaign..... | 400 | ..... | 400 | 4 | 4 | 120 | 30 | ..... | 254 | 75 | ..... | ..... | ..... | ..... | 15 | 25 | 438 | 38 |
| " "..... | 840 | ..... | 840 | 4 | 4 | ..... | 50 | 120 | 200 | 50 | 40 | ..... | ..... | ..... | 50 | 75 | 468 | 12 |
| Chicago..... | 468 | ..... | 468 | 8 | 3 | 120 | 35 | 120 | 200 | 90 | ..... | 25 | ..... | ..... | 10 | 100 | 722 | 108 |
| " "..... | 375 | ..... | 375 | 5 | 5 | 96 | 10 | ..... | 144 | 50 | ..... | ..... | ..... | ..... | 10 | 30 | 478 | ..... |
| " "..... | 450 | ..... | 450 | 4 | 4 | 96 | 13 | ..... | 288 | 100 | ..... | ..... | ..... | ..... | 40 | ..... | 351 | 44 |
| " "..... | 378 | ..... | 378 | 6 | 3 | 96 | 12 | ..... | 200 | 50 | ..... | ..... | ..... | ..... | 50 | 10 | 473 | ..... |
| " "..... | 378 | ..... | 378 | 6 | 4 | 96 | 21 | ..... | 200 | 50 | ..... | ..... | ..... | ..... | 50 | ..... | 557 | ..... |
| " "..... | 375 | ..... | 375 | 6 | 3 | 96 | 10 | 50 | 200 | 30 | ..... | 30 | ..... | ..... | 10 | ..... | 420 | 42 |
| " "..... | 450 | 144 | 450 | 6 | 3 | 96 | 15 | ..... | 250 | 75 | ..... | ..... | ..... | ..... | 12 | 17 | 519 | ..... |
| " "..... | 530 | ..... | 530 | 2 | 3 | 96 | 25 | ..... | 200 | 50 | ..... | ..... | ..... | ..... | 10 | ..... | 496 | 44 |
| " "..... | 360 | ..... | 360 | 6 | 3 | 84 | 12 | ..... | 175 | 75 | ..... | ..... | ..... | ..... | 10 | 110 | 376 | ..... |
| " "..... | 450 | ..... | 450 | 6 | 2 | 96 | 25 | ..... | 100 | 88 | ..... | ..... | ..... | ..... | 20 | 20 | 490 | 22 |
| " "..... | 468 | ..... | 468 | 3 | 3 | 120 | 30 | ..... | 195 | 100 | 40 | ..... | ..... | ..... | 15 | 71 | 400 | ..... |
| " "..... | 400 | ..... | 400 | 5 | 3 | 84 | 15 | 50 | 175 | 40 | 12 | 20 | ..... | ..... | 15 | 10 | 238 | 106 |
| DuQuoin..... | 358 | ..... | 358 | 3 | 1 | 24 | 12 | 180 | 40 | 25 | 35 | 45 | ..... | ..... | 5 | 10 | 626 | ..... |
| East St. Louis..... | 520 | ..... | 520 | 3 | 3 | 96 | 16 | 110 | 180 | 25 | 14 | 40 | 13 | ..... | 5 | 40 | 480 | 21 |
| " "..... | 408 | ..... | 408 | 3 | 3 | 108 | 18 | 90 | 100 | 30 | 15 | 30 | 15 | ..... | 35 | 20 | 355 | 113 |
| " "..... | 468 | ..... | 468 | 3 | 3 | ..... | 75 | 115 | 120 | 25 | 65 | 50 | 2 | ..... | 20 | 20 | 584 | 206 |
| Freeport..... | 648 | 152 | 648 | 9 | 5 | 60 | 32 | 52 | 125 | 75 | ..... | ..... | ..... | ..... | 14 | ..... | 990 | ..... |
| Galena..... | 360 | ..... | 360 | 4 | 4 | 36 | 40 | ..... | 72 | 20 | 20 | ..... | ..... | ..... | 167 | ..... | 400 | 20 |
| " "..... | 420 | ..... | 420 | 2 | 4 | ..... | 18 | 40 | 100 | 40 | 15 | ..... | ..... | ..... | 30 | 155 | 400 | 388 |
| " "..... | 798 | ..... | 798 | 2 | 6 | ..... | 20 | 100 | 250 | 150 | ..... | ..... | ..... | ..... | 30 | ..... | 525 | 225 |
| Fulton..... | 750 | ..... | 750 | 10 | 6 | 120 | 20 | 60 | 150 | 125 | 40 | 85 | 10 | ..... | 30 | 30 | 675 | 21 |
| Galesburg..... | 624 | 30 | 624 | 7 | 4 | ..... | 35 | 60 | 100 | 130 | 45 | 35 | ..... | ..... | 75 | 5 | 430 | 49 |
| " "..... | 420 | ..... | 420 | 4 | 3 | 96 | 45 | 75 | 200 | 75 | 25 | 30 | 8 | ..... | 22 | 486 | 900 | ..... |
| Joliet..... | 540 | ..... | 540 | 3 | 3 | 72 | 37 | 75 | 156 | 20 | 12 | ..... | ..... | ..... | 15 | 10 | 357 | ..... |
| Mattoon..... | 900 | ..... | 900 | 3 | 2 | 60 | 15 | 50 | 140 | 40 | 20 | ..... | ..... | ..... | 15 | 15 | 466 | 6 |
| Moline..... | 968 | ..... | 968 | 5 | 5 | 120 | 30 | 60 | 140 | 60 | 20 | ..... | ..... | ..... | 15 | 15 | 466 | 16 |
| " "..... | 405 | ..... | 405 | 3 | 3 | ..... | ..... | ..... | 160 | 60 | ..... | 6 | ..... | ..... | 30 | ..... | 446 | ..... |
| " "..... | 462 | ..... | 462 | 5 | 3 | 54 | 30 | 65 | 160 | 60 | 20 | ..... | ..... | ..... | 30 | ..... | 446 | ..... |

Teamsters—Continued.

| PLACE. | Nationality | ANNUAL EARNINGS OF— | | | Total earnings | Number in family. | Number of rooms occupied | ANNUAL EXPENDITURES FOR— | | | | | | | | | | | Total expenses.... | Surplus | Debt..... |
|----------------|-------------------|---------------------|------------|-------------|----------------------|-------------------|--------------------------------|--------------------------|------------|------------|--------------|--------------|-----------------------|--------------|-------------|----------------------|--------------|----------------|--------------------|---------------|-----------|
| | | Husband.. | Wife | Children .. | | | | Rent | Fuel | Meat | Groceries .. | Clothing.... | Boots and shoes | Dry goods... | Books | Life insurance | Trade unions | Sickness | Sundries | | |
| Moline .. | Am. | \$420 | ... | ... | \$120 | 7 | 3 | \$54 | \$35 | \$65 | \$190 | \$65 | \$18 | \$6 | \$6 | \$6 | ... | \$25 | \$15 | \$479 | \$59 |
| " " | Ger. | 480 | ... | ... | 480 | 6 | 4 | 100 | 25 | 75 | 200 | 150 | 20 | 7 | 10 | 12 | ... | 10 | 10 | 614 | 134 |
| " " | Irish | 600 | ... | ... | 600 | 4 | 4 | ... | 35 | 50 | 200 | 70 | 20 | 4 | ... | ... | ... | 25 | 40 | 429 | ... |
| " " | Scan. | 480 | ... | ... | 480 | 2 | 3 | ... | 25 | 60 | 125 | 18 | 18 | 11 | 5 | ... | ... | 10 | 25 | 470 | ... |
| Pekin .. | Ger. | 720 | ... | ... | 720 | 2 | 2 | 96 | 15 | 180 | 180 | 74 | 40 | ... | ... | ... | ... | 15 | 190 | 425 | ... |
| Pontiac .. | Am. | 864 | ... | ... | 864 | 5 | 6 | 70 | 45 | 30 | 240 | 25 | 18 | 100 | 20 | 25 | ... | 15 | 20 | 560 | 304 |
| Peoria .. | Ger. | 480 | ... | ... | 480 | 4 | 3 | 84 | 30 | 78 | 140 | 25 | 18 | 21 | ... | ... | ... | 15 | 25 | 385 | 125 |
| " " | Am. | 484 | ... | ... | 484 | 4 | 3 | 84 | 24 | ... | 175 | 100 | ... | ... | ... | ... | ... | 15 | 35 | 398 | 96 |
| " " | Irish. | 480 | ... | ... | 480 | 3 | 3 | 84 | 25 | ... | 160 | 35 | 20 | 15 | ... | ... | ... | 25 | 35 | 434 | 86 |
| " " | Am. | 488 | ... | ... | 488 | 3 | 3 | 84 | 30 | ... | 200 | 35 | 20 | 15 | ... | ... | ... | 25 | 35 | 350 | 138 |
| " " | Ger. | 432 | ... | ... | 432 | 3 | 3 | 72 | 18 | 40 | 100 | 40 | 20 | 15 | ... | ... | ... | 15 | 25 | 373 | 73 |
| " " | Irish. | 496 | ... | ... | 496 | 2 | 3 | 120 | 25 | 75 | 180 | 80 | 20 | 60 | ... | ... | ... | 25 | 300 | 190 | 143 |
| Rock Island .. | Am. | 525 | ... | ... | 525 | 4 | 4 | 66 | 20 | ... | 240 | 60 | 20 | 40 | ... | ... | ... | 15 | 25 | 608 | 26 |
| " " | ... | 480 | ... | ... | 480 | 4 | 3 | 72 | 20 | ... | 180 | 80 | 20 | 15 | ... | ... | ... | 20 | 15 | 454 | 43 |
| " " | Ger. | 600 | ... | ... | 600 | 3 | 5 | 120 | 35 | 60 | 150 | 100 | 20 | 8 | ... | ... | ... | 20 | 10 | 529 | ... |
| " " | Irish. | 825 | ... | ... | 1,197 | 11 | 5 | 120 | 40 | ... | 420 | 120 | 65 | 100 | ... | ... | ... | 250 | 35 | 586 | 64 |
| Springfield .. | Am. | 420 | ... | ... | 420 | 3 | 3 | 45 | 22 | 104 | 180 | 40 | ... | ... | ... | ... | ... | 10 | 50 | 1,218 | 16 |
| Totals | 66 | \$30,369 | ... | ... | \$31,963 | 279 | 218 | \$3,180 | \$1,686 | \$2,768 | \$10,517 | \$3,953 | \$1,027 | \$1,182 | \$304 | \$95 | ... | \$1,294 | \$1,995 | \$28,724 | \$4,380 |
| Averages.... | ... | 459.97 | ... | ... | 484.59 | 4.23 | 3.3 | 81.49 | 25.62 | 60.61 | 220.41 | 59.89 | 25.28 | 29.55 | 4.08 | ... | ... | 19.55 | 30.23 | 435.21 | 114 |

TILE MAKERS.

| | | | | | | | | | | | | | | | | | | | | | | |
|----------|-----|---------|-------|-------|---------|------|------|-------|------|-------|--------|-------|-------|-------|------|-------|-------|-------|-------|---------|-------|-------|
| Mattoon | Am | \$480 | ..... | ..... | \$480 | 2 | 3 | \$72 | \$30 | \$90 | \$110 | \$40 | \$12 | \$10 | \$3 | ..... | ..... | ..... | \$25 | \$162 | \$118 | ..... |
| Pontiac | Ger | 432 | ..... | ..... | 432 | 6 | 4 | 72 | 35 | 35 | 180 | 25 | 15 | 45 | 5 | ..... | ..... | ..... | 15 | 437 | \$5 | ..... |
| Urbana | Ger | 408 | ..... | ..... | 568 | 6 | 3 | ..... | 31 | ..... | 260 | 125 | 50 | 25 | 15 | ..... | ..... | ..... | 39 | 545 | 23 | ..... |
| Totals | 3 | \$1,380 | ..... | ..... | \$1,480 | 14 | 10 | \$144 | \$96 | \$85 | \$550 | \$190 | \$77 | \$80 | \$23 | ..... | ..... | ..... | \$79 | \$1,344 | \$141 | ..... |
| Averages | | 460 | ..... | ..... | 403.33 | 4.66 | 3.33 | 72 | 32 | 47.50 | 183.33 | 63.33 | 25.66 | 26.66 | 7.66 | ..... | ..... | ..... | 26.33 | 448 | 71 | ..... |

TINNERS.

| | | | | | | | | | | | | | | | | | | |
|-------------------|-------|----------|-----|---------|-------|---------|---------|---------|-------|-------|-------|-------|-------|-------|-------|----------|---------|-------|
| Aurora..... | Am. | 700 | 3 | 6 | \$192 | \$60 | \$90 | \$160 | \$35 | \$18 | \$50 | \$10 | ..... | \$10 | \$15 | \$640 | \$60 | ... |
| Bellville..... | Ger | 950 | 2 | 2 | 84 | 7 | 90 | 155 | 25 | 30 | 15 | 20 | ..... | 20 | 20 | 461 | 22 | ... |
| Champaign..... | Am. | 540 | 3 | 3 | 84 | 12 | 70 | 190 | 50 | 25 | 15 | 50 | ..... | 50 | 20 | 518 | 22 | ... |
| .. | .. | 468 | 7 | 8 | .. | 25 | .. | 208 | 155 | .. | .. | 55 | ..... | 55 | 20 | 448 | 20 | ... |
| Chicago | Eng. | 624 | 3 | 5 | .. | 28 | .. | 216 | 108 | .. | .. | 29 | ..... | 15 | 108 | 505 | 119 | ... |
| .. | .. | 624 | 10 | 9 | 84 | 64 | .. | 365 | 237 | .. | .. | 14 | ..... | 33 | 10 | 809 | 8 | ... |
| Danville..... | Am. | 825 | 4 | 4 | 132 | 40 | 75 | 200 | 50 | 40 | 75 | 18 | ..... | 25 | 150 | 817 | 107 | ... |
| Galena..... | .. | 825 | 4 | 4 | .. | 45 | 156 | 225 | 45 | 39 | 62 | 17 | ..... | 27 | 40 | 661 | 107 | ... |
| Galesburg..... | .. | 708 | 3 | 3 | .. | 50 | 60 | 200 | 25 | 25 | 40 | 6 | ..... | 100 | .. | 506 | 94 | ... |
| Jacksonville..... | .. | 600 | 8 | 6 | .. | 35 | 75 | 170 | 150 | .. | .. | 5 | ..... | 15 | 450 | 780 | .. | ... |
| .. | .. | 1,430 | 6 | 9 | .. | 75 | 96 | 200 | 175 | 30 | 8 | 5 | ..... | 10 | 33 | 650 | 780 | ... |
| Galesburg..... | .. | 648 | 2 | 6 | .. | 35 | 80 | 120 | 90 | .. | .. | 5 | ..... | 30 | 60 | 418 | 230 | ... |
| Jacksonville..... | Ger | 552 | 3 | 5 | .. | 30 | .. | 250 | 125 | .. | .. | 5 | ..... | 10 | 25 | 517 | 35 | ... |
| Joliet..... | .. | 702 | 3 | 3 | 72 | 30 | .. | 210 | 100 | .. | .. | 5 | ..... | 20 | 25 | 468 | 254 | ... |
| Mattoon..... | Am. | 702 | 7 | 5 | .. | 45 | 45 | 250 | 45 | 25 | 35 | 3 | ..... | 25 | 30 | 483 | 209 | ... |
| .. | .. | 806 | 4 | 5 | 96 | .. | .. | 182 | 40 | .. | .. | 7 | ..... | 10 | 30 | 507 | 299 | ... |
| Pontiac..... | Irish | 520 | 4 | 5 | .. | 45 | .. | 234 | 75 | .. | .. | 15 | ..... | 75 | 75 | 667 | 353 | ... |
| Rock Island..... | Am. | 780 | 4 | 6 | .. | 55 | 45 | 150 | 35 | 20 | 70 | 30 | ..... | 15 | 20 | 455 | 147 | ... |
| .. | .. | 675 | 8 | 3 | .. | 35 | 65 | 200 | 100 | 35 | 8 | 15 | ..... | 65 | 40 | 548 | 127 | ... |
| Sterling..... | Am. | 358 | 3 | 4 | 96 | 32 | 30 | 104 | 20 | 8 | 15 | 17 | ..... | 4 | 30 | 356 | 127 | ... |
| .. | .. | 600 | 2 | 4 | 84 | 40 | 60 | 150 | 20 | 10 | 10 | 3 | ..... | 5 | 2 | 384 | 216 | ... |
| Totals..... | 21 | \$12,490 | 103 | \$1,002 | \$228 | \$1,231 | \$4,140 | \$1,085 | \$305 | \$413 | \$145 | \$144 | \$9 | \$632 | \$744 | \$11,278 | \$2,885 | \$385 |
| Averages | .. | 594.57 | 5 | 4.9 | 100 | 25 | 14 | 199 | 52 | 31 | 77 | 6 | 90 | 20 | 14 | 535 | 180 | 84 |

TOY MAKER.

| | | | | | | | | | | | | | | | | | | |
|--------------|-----|-------|---|---|-------|------|-------|-------|------|-------|-------|-----|-------|------|------|-------|-------|------|
| Chicago..... | Ger | \$375 | 8 | 4 | \$120 | \$40 | | \$200 | \$38 | | | \$2 | | \$10 | \$40 | \$500 | | \$75 |
|--------------|-----|-------|---|---|-------|------|-------|-------|------|-------|-------|-----|-------|------|------|-------|-------|------|

UPHOLSTERERS.

| | | | | | | | | | | | | | | | | | |
|----------------|---------------|---------|----|-------|-------|------|---------|-------|------|------|------|------|-------|-------|---------|-------|-------|
| Aurora..... | Am..... | \$780 | 7 | \$132 | \$52 | \$96 | \$261 | \$35 | \$14 | \$65 | \$15 | \$28 | \$173 | \$242 | \$4,442 | \$780 | \$137 |
| Champaign..... | Irish..... | 520 | 2 | 8 | 36 | 45 | 48 | 84 | 10 | 18 | 10 | 7 | 17 | 50 | 203 | 317 | 47 |
| Chicago..... | Pole..... | 480 | 2 | 8 | 12 | 10 | 210 | 100 | 60 | 60 | 10 | 7 | 20 | 20 | 443 | 37 | 37 |
| "..... | Ger..... | 380 | 4 | 6 | 60 | 10 | 175 | 60 | 60 | 10 | 2 | 7 | 8 | 5 | 360 | 533 | 533 |
| "..... | "..... | 420 | 4 | 96 | 15 | 15 | 240 | 85 | 10 | 584 | 4 | 48 | 20 | 50 | 584 | 104 | 104 |
| "..... | "..... | 480 | 5 | 4 | 120 | 15 | 240 | 150 | 100 | 13 | 10 | 7 | 40 | 50 | 799 | 156 | 156 |
| "..... | "..... | 480 | 7 | 144 | 23 | 23 | 364 | 150 | 100 | 13 | 10 | 7 | 40 | 50 | 420 | 10 | 10 |
| "..... | Bohemian..... | 430 | 8 | 72 | 8 | 8 | 240 | 90 | 100 | 17 | 10 | 7 | 17 | 50 | 447 | 213 | 213 |
| "..... | "..... | 360 | 7 | 4 | 10 | 10 | 259 | 120 | 100 | 17 | 10 | 7 | 17 | 50 | 447 | 213 | 213 |
| Totals..... | 9 | \$4,310 | 36 | \$708 | \$180 | \$96 | \$2,651 | \$824 | \$14 | \$65 | \$41 | \$20 | \$173 | \$242 | \$4,442 | \$780 | \$137 |
| Averages..... | | 478.89 | 4 | 88.13 | 20 | | 228.33 | 91.56 | | | 4.56 | | 19.22 | 26.80 | 493.67 | 130 | 68 |

WAGONMAKERS.

| | | | | | | | | | | | | | | | | | |
|-------------------|------------|---------|------|-------|-------|-------|---------|-------|-------|------|------|--|--|--|--------|---------|-----|
| Danville..... | Am..... | \$675 | 6 | \$84 | \$20 | \$150 | \$200 | \$20 | \$15 | \$40 | \$6 | | | | \$630 | \$955 | |
| Equality..... | Ger..... | 715 | 6 | 60 | 30 | 45 | 148 | 96 | 15 | 32 | 8 | | | | 267 | 428 | |
| Galesburg..... | Am..... | 420 | 5 | 72 | 40 | 60 | 182 | 100 | 25 | 60 | 2 | | | | 388 | 500 | |
| "..... | Irish..... | 384 | 5 | 90 | 25 | 36 | 125 | 75 | 25 | 60 | 3 | | | | 334 | 400 | |
| Galesburg..... | Am..... | 753 | 6 | 6 | 25 | 36 | 210 | 80 | 25 | 60 | 12 | | | | 524 | 26 | |
| Jacksonville..... | Eng..... | 702 | 4 | 180 | 43 | 60 | 240 | 50 | 25 | 30 | 12 | | | | 417 | 285 | |
| Johns..... | Am..... | 424 | 5 | 7 | 50 | 54 | 150 | 75 | 25 | 30 | 15 | | | | 634 | 12 | |
| Mattoon..... | Eng..... | 432 | 8 | 84 | 30 | 54 | 140 | 50 | 18 | 30 | 17 | | | | 404 | 21 | |
| Monroe..... | Am..... | 606 | 4 | 4 | 30 | 54 | 140 | 50 | 18 | 30 | 17 | | | | 366 | 271 | |
| St. Louis..... | Eng..... | 585 | 9 | 4 | 30 | 50 | 175 | 65 | 12 | 8 | 5 | | | | 335 | 220 | |
| Sterling..... | Irish..... | 750 | 6 | 84 | 15 | 100 | 240 | 90 | 100 | 25 | 10 | | | | 649 | 101 | |
| Totals..... | 12 | \$6,880 | 67 | \$660 | \$408 | \$403 | \$1,830 | \$843 | \$25 | \$72 | \$77 | | | | \$336 | \$1,659 | \$2 |
| Averages..... | | 574.03 | 5.58 | 91.29 | 31 | 63 | 152.50 | 53.58 | 32.14 | 29 | 6.42 | | | | 452.67 | 166 | |

WAITER.

| | | | | | | | | | | | | | | | | | |
|--------------|----------|-------|---|------|------|--|-------|------|--|--|-----|--|--|--|-------|-----|--|
| Chicago..... | Eng..... | \$360 | 5 | \$95 | \$40 | | \$100 | \$84 | | | \$4 | | | | \$351 | \$6 | |
|--------------|----------|-------|---|------|------|--|-------|------|--|--|-----|--|--|--|-------|-----|--|

WATCH FACTORY OPERATIVES.

| PLACE. | Nationality | ANNUAL EXPENDITURES FOR— | | | | | | | | | | Total earnings | Number in family. | Number of rooms occupied | ANNUAL EARNINGS OF— | | Debt | Surplus | Total expenses |
|-------------|-------------|--------------------------|------|----------|-------|-------|-------|-----------|----------|-----------------|-----------|----------------|-------------------|--------------------------|---------------------|----------|---------|---------|----------------|
| | | Husband | Wife | Children | Rent | Fuel | Meat | Groceries | Clothing | Boots and shoes | Dry goods | Books | Life insurance | Trade unions | Sickness | Sundries | | | |
| Springfield | Eng. | \$700 | 576 | 6 | \$154 | \$48 | \$60 | \$700 | \$50 | \$20 | \$20 | \$10 | \$2 | — | \$30 | \$50 | \$746 | — | \$46 |
| " | " | 600 | 576 | 6 | 210 | 36 | 72 | 288 | 30 | 40 | 25 | 10 | 9 | — | — | 50 | 671 | 98 | 66 |
| Totals | 3 | \$1,876 | — | — | \$516 | \$124 | \$182 | \$328 | \$170 | \$60 | \$45 | \$29 | \$2 | — | \$30 | \$100 | \$2,066 | — | \$210 |
| Averages | — | 625.33 | — | — | 172 | 41.33 | 60.66 | 276 | 56.66 | 30 | 22.50 | 9.66 | — | — | 10 | 33.33 | 695.33 | — | 70 |

WATCHMAKERS.

| | | | | | | | | | | | | | | | | | | | |
|-------------|------|---------|----|---|-------|-------|-------|-------|-------|-------|-------|------|---|---|------|----|---------|---|---------|
| Danville | Am. | \$400 | — | — | — | \$18 | \$30 | \$100 | \$100 | — | \$50 | \$6 | — | — | — | — | \$304 | — | \$96 |
| Freeport | Ger. | 622 | 40 | 2 | \$36 | 40 | 50 | 160 | 10 | \$23 | 40 | 5 | — | — | — | — | 401 | — | 221 |
| Springfield | Am. | 765 | 50 | 4 | 60 | 75 | 75 | 50 | 50 | 25 | 50 | 10 | — | — | \$10 | 10 | 455 | — | 310 |
| Totals | 4 | \$2,662 | — | — | \$126 | \$173 | \$215 | \$504 | \$195 | \$68 | \$163 | \$36 | — | — | — | — | 457 | — | 418 |
| Averages | — | 665.50 | — | — | 72 | 43.25 | 53.75 | 126 | 48.75 | 22.66 | 41.25 | 9 | — | — | — | — | \$1,617 | — | \$1,045 |

WATCHMEN.

| | | | | | | | | | | | | | | | | | | | |
|----------------|-------|-------|----|---|------|------|------|-------|------|------|----|-----|---|---|-----|----|-------|---|-------|
| Chicago | Am. | \$370 | — | — | \$20 | \$45 | — | \$185 | \$95 | — | — | \$7 | — | — | — | — | \$766 | — | \$184 |
| East St. Louis | Irish | 840 | 24 | 3 | 96 | 24 | \$60 | 144 | 50 | \$30 | — | — | — | — | — | — | 477 | — | 363 |
| Elgin | Ger. | 590 | 6 | 2 | 12 | 120 | 120 | 150 | 150 | 20 | 25 | 7 | — | — | — | 5 | 482 | — | \$62 |
| Joliet | Irish | 660 | 2 | 4 | 106 | 60 | — | 175 | 100 | 30 | — | — | — | — | — | — | 480 | — | 180 |
| Totals | — | 921 | 8 | 5 | 35 | 35 | 75 | 300 | 60 | 30 | — | 25 | — | — | 100 | 75 | 730 | — | 191 |

| | | | | | | | | | | | | | | | | | | | | |
|---------------|------------|---------|-------|-------|---------|----|-------|---------|-------|-------|-------|------|-------|-------|-------|-------|-------|---------|---------|------|
| Mattoon..... | Am..... | 360 | ..... | ..... | ..... | 30 | ..... | 219 | 100 | ..... | ..... | 8 | ..... | 3 | ..... | 10 | ..... | 385 | ..... | 5 |
| Peoria..... | Irish..... | 520 | ..... | ..... | ..... | 72 | ..... | 160 | 30 | ..... | ..... | 5 | ..... | ..... | ..... | ..... | ..... | 375 | ..... | 145 |
| Totals..... | 7 | \$3,836 | \$750 | \$75 | \$4,661 | 31 | 28 | \$1,233 | \$535 | \$88 | \$95 | \$54 | \$6 | \$3 | \$268 | \$181 | ..... | \$3,696 | \$1,068 | \$97 |
| Averages..... | ..... | 548 | ..... | ..... | 665 | 86 | 4.43 | 83 | 57 | 23 | 23 | 75 | 771 | ..... | 38 | 29 | 35 | 527 | 86 | 212 |
| | | | | | | 4 | 169 | 33 | 83 | 176 | 14 | 83 | 57 | ..... | ..... | ..... | ..... | 527 | 86 | 48 |

WEAVER (CARPET).

| | | | | | | | | | | | | | | | | | | | | |
|---------------|----------|-------|-------|-------|-------|---|---|-------|------|------|-------|------|------|------|-------|-------|-----|-----|-------|------|
| Sterling..... | Ger..... | \$313 | | | \$313 | 5 | 4 | | \$40 | \$50 | \$100 | \$25 | \$25 | \$25 | | | \$5 | \$1 | \$271 | \$42 |
|---------------|----------|-------|-------|-------|-------|---|---|-------|------|------|-------|------|------|------|-------|-------|-----|-----|-------|------|

WEIGHER.

| | | | | | | | | | | | | | | | | | | | | | |
|----------------|----------|-------|-------|-------|-------|---|-----|-------|------|-------|-------|------|------|------|------|-------|-------|-------|-------|-------|-------|
| Coal City..... | Eng..... | \$586 | ..... | ..... | ..... | 5 | 4 | \$66 | \$18 | \$29 | \$290 | \$15 | \$27 | \$47 | \$28 | ..... | ..... | \$37 | \$21 | \$528 | \$58 |
| Equality..... | Am..... | 378 | ..... | ..... | ..... | 3 | 3 | 36 | 22 | 66 | 78 | 35 | 15 | 12 | 4 | ..... | ..... | 24 | ..... | 252 | 86 |
| Totals..... | 2 | \$964 | ..... | ..... | \$961 | 8 | 7 | \$102 | \$40 | \$135 | \$278 | \$50 | \$42 | \$58 | \$32 | ..... | ..... | \$61 | \$21 | \$520 | \$144 |
| Averages..... | ..... | \$482 | ..... | ..... | \$482 | 4 | 3.5 | 51 | 20 | 67 | 50 | 139 | 25 | 21 | 29 | 50 | 16 | ..... | 30 | 50 | 72 |

WELL DIGGER.

| | | | | | | | | | | | | | | | | | | | | | |
|-------------|----------|-------|-------|-------|-------|---|---|-------|------|-------|-------|------|------|------|------|-------|-------|-------|-------|-------|-------|
| Peoria..... | Eng..... | \$680 | | \$364 | \$994 | 5 | 4 | \$120 | \$40 | \$100 | \$125 | \$55 | \$25 | \$40 | \$12 | | | | \$100 | \$617 | \$577 |
|-------------|----------|-------|-------|-------|-------|---|---|-------|------|-------|-------|------|------|------|------|-------|-------|-------|-------|-------|-------|

WOOD MACHINISTS.

| | | | | | | | | | | | | | | | | | | | | | |
|--------------|-----------|-------|-------|-------|-------|---|---|-------|------|------|-------|------|------|------|-------|-------|-------|------|------|-------|-------|
| Aurora..... | Am..... | \$842 | ..... | ..... | ..... | 2 | 7 | ..... | \$50 | \$50 | \$108 | \$25 | \$15 | \$30 | ..... | ..... | ..... | \$25 | \$10 | \$313 | \$529 |
| .. | .. | 750 | ..... | ..... | ..... | 2 | 4 | \$118 | 25 | 108 | 144 | 15 | 12 | 130 | \$5 | ..... | ..... | 10 | 20 | 577 | 173 |
| Chicago..... | Scan..... | 702 | ..... | ..... | ..... | 3 | 7 | ..... | 60 | 85 | 175 | 40 | 15 | 75 | 12 | \$26 | ..... | 20 | 10 | 518 | 184 |
| | | 855 | ..... | ..... | ..... | 4 | 6 | ..... | 80 | 90 | 260 | 40 | 20 | 40 | 15 | 45 | ..... | 20 | 100 | 710 | 125 |

Wood Machinists—Continued.

| PLACE. | Nationality | ANNUAL EXPENDITURES FOR— | | | | | | | | | | Total earnings | ANNUAL EARNINGS OF— | | | Number in family. | Number of rooms occupied. | Debt | Surplus | Total expenses |
|----------|-------------|--------------------------|-------|----------|----------|-------|---------|-----------|----------|-----------------|-----------|----------------|---------------------|--------------|----------|-------------------|---------------------------|------|---------|----------------|
| | | Husband | Wife | Children | Rent | Fuel | Meat | Groceries | Clothing | Boots and shoes | Dry goods | Books | Life insurance | Trade unions | Sickness | Sundries | | | | |
| Chicago. | Irish | \$900 | | | \$103 | \$40 | \$150 | \$175 | \$30 | \$12 | \$25 | \$3 | | | \$20 | \$15 | | | | \$585 |
| " | Bohemian | 975 | | | 180 | 75 | 200 | 270 | 75 | 50 | 75 | 6 | | | 5 | 10 | | | | 926 |
| " | Am. | 600 | | | 104 | 40 | 100 | 175 | 50 | 20 | 20 | 20 | | | 11 | | | | | 525 |
| " | Am. | 672 | | | 108 | 60 | 18 | 200 | 50 | 20 | 8 | 20 | | | 6 | 10 | | | | 600 |
| " | Ger. | 688 | | | 120 | 30 | 30 | 400 | 20 | 20 | | 7 | | | 10 | 7 | | | | 688 |
| " | Irish | 904 | | | 160 | 50 | 50 | 200 | 75 | 40 | 80 | 10 | | | 75 | | | | | 927 |
| " | Irish | 1,010 | | | 216 | 60 | 130 | 270 | 80 | 20 | | 7 | | | 85 | 111 | | | | 922 |
| " | Am. | 1,000 | | | 144 | 70 | 175 | 300 | 100 | 30 | 50 | 10 | | | 15 | 75 | | | | 901 |
| " | Bohemian | 675 | | | 108 | 40 | 120 | 175 | 50 | 10 | 15 | 15 | | | 5 | 15 | | | | 594 |
| " | Bohemian | 705 | | | 114 | 50 | 130 | 180 | 100 | 30 | 60 | 10 | | | 5 | 10 | | | | 77 |
| " | Am. | 675 | | | 108 | 30 | 110 | 140 | 40 | 10 | 25 | 10 | | | 11 | 10 | | | | 749 |
| " | Am. | 775 | | | 120 | 40 | 100 | 175 | 65 | 10 | 10 | 10 | | | 5 | 20 | | | | 495 |
| " | Ger. | 600 | | | 156 | 45 | 121 | 255 | 85 | 31 | 15 | 5 | | | | 14 | | | | 600 |
| " | Irish | 708 | | | 216 | 41 | 121 | 152 | 135 | 8 | 15 | 3 | | | 20 | 17 | | | | 708 |
| " | Irish | 430 | | | 120 | 52 | 25 | 120 | 25 | 8 | 8 | 13 | | | 4 | 23 | | | | 410 |
| " | Am. | 504 | | | 108 | 38 | 38 | 270 | 45 | 30 | 20 | 10 | | | 25 | 50 | | | | 600 |
| Peoria | Am. | 684 | | | 180 | | | | | | | | | | | | | | | 708 |
| Totals | 20 | \$14,790 | \$280 | | \$72,172 | \$995 | \$1,782 | \$4,144 | \$1,165 | \$393 | \$983 | \$167 | \$124 | \$66 | \$332 | \$539 | \$12,560 | | | \$2,510 |
| Averages | | 739 50 | | | 135 62 | 49 65 | 104 82 | 207 20 | 58 25 | 20 79 | 40 18 | 8 38 | | | 16 60 | 26 96 | 627 | | | 139 |

WOOD WORKERS.

| | | | | | | | | | | | | | | | | | | | | |
|----------|-------|---------|--|--|-------|------|-------|-------|------|------|------|-----|--|------|------|------|-------|--|--|-------|
| Chicago. | Scan | \$1,014 | | | \$182 | \$26 | \$100 | \$155 | \$60 | \$27 | \$20 | \$4 | | \$25 | \$20 | \$11 | \$569 | | | \$445 |
| " | Irish | 775 | | | 140 | 60 | 140 | 175 | 50 | 20 | 30 | 10 | | 5 | | 20 | 665 | | | 110 |
| " | Ger. | 650 | | | 120 | 20 | 20 | 135 | 135 | 18 | 105 | 23 | | | 34 | 9 | 677 | | | \$37 |
| " | Irish | 550 | | | 120 | 41 | 95 | 150 | 45 | 18 | 25 | 8 | | | 14 | 9 | 540 | | | 10 |
| " | Am. | 504 | | | 144 | 52 | 40 | 150 | 35 | 15 | 12 | 15 | | | 35 | 8 | 508 | | | 1 |
| " | Irish | 750 | | | 114 | 40 | 40 | 175 | 40 | 40 | 70 | 15 | | | 20 | 115 | 699 | | | 51 |
| " | Ger. | 720 | | | 156 | 60 | 100 | 200 | 60 | 30 | 70 | | | | 35 | | 711 | | | 9 |

| | | | | | | | | | | | | | | | | | |
|-----------------|-----|----------|-------|-------|---------|-------|---------|---------|---------|-------|-------|-------|-------|-------|-------|---------|---------|
| Ch cago..... | 800 | 800 | 3 | 3 | 68 | 59 | 159 | 200 | 100 | 25 | 50 | 20 | 11 | 50 | 15 | 748 | 72 |
| Moline..... | 960 | 960 | 4 | 3 | 90 | 30 | 75 | 150 | 100 | 20 | 8 | 10 | 2 | 25 | 10 | 540 | 400 |
| Rock Falls..... | 400 | 400 | 10 | 3 | 50 | 30 | 50 | 300 | 125 | 40 | 8 | 10 | 20 | 20 | 40 | 628 | 283 |
| Scan..... | 600 | 600 | 7 | 4 | 4 | 50 | 100 | 200 | 50 | 40 | 35 | 5 | 15 | 15 | 10 | 305 | 105 |
| Sterling..... | 540 | 540 | 7 | 6 | 55 | 35 | 75 | 150 | 45 | 35 | 30 | 10 | 5 | 5 | 5 | 385 | 145 |
| "..... | 607 | 607 | 8 | 8 | 50 | 40 | 75 | 150 | 50 | 40 | 35 | 5 | 10 | 10 | 5 | 420 | 187 |
| Ger..... | 600 | 600 | 8 | 4 | 4 | 60 | 75 | 100 | 75 | 25 | 50 | 5 | 35 | 15 | 20 | 440 | 160 |
| "..... | 450 | 450 | 3 | 6 | 40 | 60 | 25 | 60 | 50 | 25 | 30 | 10 | 8 | 15 | 10 | 228 | 222 |
| "..... | 601 | 601 | 3 | 7 | 40 | 65 | 50 | 150 | 50 | 25 | 80 | 10 | 5 | 5 | 5 | 380 | 221 |
| "..... | 600 | 600 | 9 | 7 | 75 | 180 | 250 | 100 | 100 | 75 | 80 | 20 | 20 | 20 | 10 | 810 | 90 |
| Totals..... | 17 | \$11,121 | 89 | 80 | \$1,118 | \$768 | \$1,450 | \$2,851 | \$1,170 | \$515 | \$658 | \$159 | \$103 | \$363 | \$263 | \$9,463 | \$2,208 |
| Averages..... | | 654 18 | 82 54 | 71 24 | 22 | 41 65 | 85 29 | 167 71 | 68 82 | 32 19 | 41 25 | 9 94 | | 21 35 | 15 47 | 556 86 | 147 125 |

WIPERS (LOCOMOTIVE.)

| | | | | | | | | | | | | | | | | | |
|---------------------|-----|---------|-----|-----|-------|-------|-------|-------|-------|------|-------|------|------|------|------|---------|-------|
| Aurora..... | 336 | 336 | 5 | 5 | 50 | 55 | 130 | 130 | 30 | 20 | 20 | 15 | 20 | 20 | 35 | 435 | \$1 |
| Danville..... | 350 | 350 | 2 | 1 | 20 | 5 | 40 | 160 | 40 | 10 | 20 | 4 | 15 | 20 | 10 | 250 | 100 |
| East St. Louis..... | 900 | 900 | 6 | 3 | 84 | 5 | 40 | 200 | 55 | 15 | 25 | 4 | 5 | 5 | 10 | 443 | 97 |
| "..... | 530 | 530 | 9 | 2 | 60 | 4 | 40 | 200 | 20 | 15 | 20 | 4 | 10 | 10 | 10 | 374 | 22 |
| Fulton..... | 530 | 530 | 3 | 3 | 20 | 60 | 240 | 50 | 50 | 20 | 25 | 4 | 10 | 10 | 10 | 459 | 91 |
| Totals..... | 5 | \$1,876 | 24 | 14 | \$144 | \$99 | \$195 | \$390 | \$165 | \$90 | \$110 | \$13 | \$15 | \$55 | \$35 | \$1,841 | \$289 |
| Averages..... | | 375 20 | 4 8 | 2 8 | 72 | 19 80 | 48 75 | 86 | 33 | 16 | 23 | 2 60 | | 11 | 7 | 908 20 | 72 |

WIRE FENCE MAKER.

| | | | | | | | | | | | | | | | | | |
|-------------|----------|-------|---|---|------|------|------|-------|------|------|------|-----|--|------|------|-------|------|
| Joliet..... | Ger..... | \$351 | 3 | 2 | \$60 | \$35 | \$60 | \$155 | \$10 | \$15 | \$15 | \$2 | | \$25 | \$25 | \$402 | \$51 |
|-------------|----------|-------|---|---|------|------|------|-------|------|------|------|-----|--|------|------|-------|------|

YARD MASTERS.

| | | | | | | | | | | | | | | | | | | |
|---------------------|------------|---------|---|----|-------|------|-------|--------|-------|-------|------|------|-------|-------|-------|-------|---------|---------|
| Champaign..... | Irish..... | \$780 | 2 | 3 | \$30 | \$30 | \$156 | \$110 | ..... | ..... | \$5 | \$32 | ..... | ..... | ..... | \$96 | \$419 | \$361 |
| East St. Louis..... | Am..... | 1,200 | 3 | 3 | \$120 | 17 | 600 | 140 | ..... | ..... | 5 | 12 | ..... | ..... | ..... | 25 | 1,112 | 712 |
| Rock Island..... | | 840 | 4 | 6 | ..... | 40 | 65 | 200 | 80 | 20 | 8 | 17 | ..... | ..... | ..... | 50 | 587 | 253 |
| Totals..... | 3 | \$2,820 | 9 | 12 | \$120 | \$87 | \$101 | \$956 | \$330 | \$85 | \$32 | \$18 | \$61 | ..... | ..... | \$107 | \$2,118 | \$1,326 |
| Averages..... | | 940 | 3 | 4 | ..... | 29 | 80 50 | 318 66 | 110 | 42 50 | 16 | 6 | ..... | ..... | ..... | 35 66 | 706 | 442 |

It is found by summing up the columns of the foregoing table that the gross earning of the whole 2,129 families for the period of one year, amount to \$1,251,846. Of this sum the heads of families earn \$1,118,810; the wives \$16,420; and the children \$117,116. An equal division of this gross amount among the whole number of families gives to each \$588 per annum, and by a similar process we obtain the sum \$525.27 as the average earnings of each head of a family, the difference indicating the measure of assistance rendered by wives and children. There was actually expended by these people, in maintaining themselves in such manner as circumstances permitted, the gross amount \$1,080,595. This sum is made up of the following items: Rents, \$136,658; Fuel, \$67,719; Meat, \$113,693; Groceries, \$385,425; Clothing, \$143,058; Boots and Shoes, \$39,924; Dry Goods, \$59,264; Books, papers, etc., \$15,311; Life Insurance, \$7,637; Trade Organizations, \$2,959; Sickness, \$42,058; Sundries, \$66,889. The aggregate expenditures, divided by the number of families, give \$507.56 as the average cost of living per family for one year, as against average earnings of the family of \$588.00, and average earnings for the heads of families of \$525.27.

While these sums respectively constitute the general mean to which all earnings and expenses may be arithmetically reduced, they are only valuable for purposes of comparisons with similar deductions made for other communities or countries, and convey but little idea of the general situation, and none whatever of the wide differences in condition depicted in the tables themselves. These general averages however are brought out here as preliminary to closer investigations, and for use in subsequent references.

A more effective grouping of the primary results obtained is presented in the following table, showing the relative number in each occupation who have been able upon their year's work to make sufficient for their living expenses, the number who have made more than their expenses, and the number who have made less.

TABLE XIII.—Showing the relative number of those who have saved and those who have not saved money upon their earnings.

| OCCUPATIONS. | Expenses less than earnings. | Expenses equal to earnings. | Expenses more than earnings. | Total. | OCCUPATIONS. | Expenses less than earnings. | Expenses equal to earnings. | Expenses more than earnings. | Total. |
|---------------------------|------------------------------|-----------------------------|------------------------------|--------|------------------------------|------------------------------|-----------------------------|------------------------------|--------|
| Bakers..... | 10 | 4 | 14 | 14 | Horse shoer..... | 1 | | | 1 |
| Barbers..... | 12 | 1 | 5 | 18 | Hostlers..... | | 1 | 2 | 3 |
| Baggagemen..... | 4 | 1 | | 5 | Iron and steel workers..... | 10 | | 3 | 13 |
| Bollermakers..... | 9 | | | 9 | Janitors..... | 2 | 1 | 1 | 4 |
| Bookbinder..... | 1 | | | 1 | Laborers..... | 215 | 35 | 147 | 397 |
| Blacksmiths..... | 61 | 3 | 11 | 75 | .. (R. R.)..... | 10 | 5 | 1 | 16 |
| .. helpers..... | 6 | 1 | | 7 | .. (coal mine)..... | 14 | 4 | 1 | 19 |
| Brakemen..... | 4 | | 1 | 5 | Lard renderer..... | 1 | | | 1 |
| Bookkeepers..... | 4 | 1 | | 5 | Lather..... | 1 | | | 1 |
| Brassworkers..... | 6 | | | 6 | Laundrymen..... | 1 | 1 | | 2 |
| Brewers..... | 4 | 1 | | 5 | Lead miners..... | 2 | | | 2 |
| Bricklayers..... | 36 | 6 | 4 | 46 | Lumber handlers..... | 3 | 2 | 2 | 7 |
| Brickmakers..... | 3 | | | 3 | Machinists..... | 28 | 2 | 5 | 35 |
| Bridge builders..... | 4 | | 1 | 5 | Machinists (R. R.)..... | 6 | | 1 | 7 |
| Bridge tenders..... | 2 | | | 2 | Machine miners..... | 4 | | | 4 |
| Broom makers..... | 3 | | | 3 | Malsters..... | 4 | 1 | | 5 |
| Burnisher..... | 1 | | | 1 | Marble workers..... | 11 | 2 | 4 | 17 |
| Butchers..... | 17 | 6 | 4 | 27 | Master mechanics..... | 1 | | | 1 |
| Cabinet makers..... | 11 | 2 | 2 | 15 | Mattress maker..... | 1 | | 1 | 2 |
| Cager..... | 1 | | | 1 | Millers..... | 15 | | 1 | 16 |
| Calclminer..... | 1 | | | 1 | Millwrights..... | 2 | | | 2 |
| Caller..... | | 1 | | 1 | Moulders..... | 38 | 2 | 9 | 49 |
| Car builders..... | 2 | 1 | 2 | 5 | Monument setters..... | 1 | | | 1 |
| Car inspectors..... | 4 | 1 | 1 | 6 | Mule drivers..... | 3 | | | 3 |
| Car painters..... | 1 | | 1 | 2 | Nailers..... | 7 | | | 7 |
| Car repairers..... | 6 | | 2 | 8 | Nail plate shearer..... | 1 | | | 1 |
| Carpenters..... | 74 | 9 | 28 | 111 | Organ builders..... | 2 | | | 2 |
| Carriage makers..... | 4 | | 1 | 5 | Omnibus driver..... | 1 | | | 1 |
| Carriage ironers..... | 2 | | | 2 | Painters..... | 39 | 2 | 21 | 62 |
| Carriage painters..... | 7 | | | 7 | Paper carriers..... | 1 | | 1 | 2 |
| Carriage trimmers..... | 4 | | | 4 | Paper hangers..... | 5 | | 1 | 6 |
| Catcher (foundry)..... | 1 | | | 1 | Paper makers..... | 1 | | 1 | 2 |
| Cigar makers..... | 48 | 11 | 20 | 79 | Pattern makers..... | 9 | | | 9 |
| Cigar packers..... | | 1 | 1 | 2 | Piano makers..... | 1 | 1 | | 2 |
| Clerks..... | 36 | 5 | 5 | 46 | Picture frame makers..... | 1 | | | 1 |
| Coal miners..... | 144 | 18 | 70 | 232 | Pit bosses..... | 6 | | | 6 |
| Conductors (freight)..... | 2 | | 2 | 4 | Pit sinkers..... | 1 | | 1 | 2 |
| Coopers..... | 9 | 1 | 12 | 22 | Pit topmen..... | 1 | | 2 | 3 |
| Curriers..... | 4 | | 3 | 7 | Plasterers..... | 14 | 8 | 1 | 23 |
| Ditchers..... | 3 | | | 3 | Plow factory men..... | 5 | | 2 | 7 |
| Draughtsmen..... | 3 | | | 3 | Plumbers..... | 8 | 1 | 1 | 10 |
| Electrician..... | 1 | | | 1 | Potters..... | 3 | | 1 | 4 |
| Engineers (Loc.)..... | 9 | | 3 | 12 | Pressmen..... | 1 | | 1 | 2 |
| Engineers (Sta.)..... | 27 | | 3 | 30 | Printers..... | 18 | 2 | 6 | 26 |
| Express agent..... | 1 | | | 1 | Prison guard..... | 1 | | | 1 |
| Express drivers..... | 5 | 1 | 1 | 7 | Puddlers..... | 3 | | 1 | 4 |
| Farm hands..... | 1 | 1 | | 2 | Puddler's helper..... | 1 | | | 1 |
| Firemen (Loc.)..... | 14 | | 2 | 16 | Quarrymen..... | 4 | | 1 | 5 |
| Firemen (Sta.)..... | 6 | 1 | 2 | 9 | Rag sorter (paper mill)..... | | | 1 | 1 |
| Fishermen..... | | 1 | | 1 | Refiner (gas)..... | 1 | | | 1 |
| Flagmen..... | 2 | | 2 | 4 | River pilot..... | 1 | | | 1 |
| Flour packers..... | 2 | | 1 | 3 | Rollers..... | 5 | | | 5 |
| Foremen..... | 13 | | 2 | 15 | Rolling mill hands..... | 4 | | 1 | 5 |
| Furnacemen..... | 4 | | | 4 | Roughers..... | 2 | | | 2 |
| Gardener..... | | | 1 | 1 | Salt maker..... | 1 | | | 1 |
| Gilder..... | 1 | | | 1 | Saw filer..... | 1 | | | 1 |
| Glass blowers..... | 3 | | | 3 | Sawyers..... | 2 | | 3 | 5 |
| Grinders..... | 3 | | 1 | 4 | Seamen..... | 5 | | | 5 |
| Harness makers..... | 20 | 5 | 6 | 31 | Section bosses..... | 5 | | | 5 |
| Heater (bar mill)..... | 4 | | | 4 | Section men..... | 5 | 5 | 3 | 13 |
| Heater (foundry)..... | 1 | | | 1 | Sheetiron workers..... | 1 | | | 1 |
| Helpers in shop..... | 1 | | 2 | 3 | | | | | |
| Hod carriers..... | 1 | | 2 | 3 | | | | | |
| Horseshoe makers..... | 1 | | 1 | 2 | | | | | |

Table XIII.—Continued.

| OCCUPATIONS. | Expenses more than earnings. | Expenses equal to earnings. | Expenses less than earnings. | Total |
|-------------------------------|------------------------------|-----------------------------|------------------------------|-------|
| Shoemakers..... | 21 | 3 | 8 | 32 |
| Silver plater..... | 1 | 1 | 1 | 3 |
| Shooter (coal)..... | 1 | 1 | 1 | 3 |
| Soda water maker..... | 1 | 1 | 1 | 3 |
| Spinner..... | 1 | 1 | 1 | 3 |
| Stair builder..... | 1 | 1 | 1 | 3 |
| Station agents..... | 4 | 1 | 4 | 9 |
| Stone masons..... | 11 | 3 | 8 | 19 |
| Stone cutters..... | 19 | 3 | 6 | 28 |
| Stove mounters..... | 2 | 2 | 4 | 8 |
| Street car conductors..... | 4 | 2 | 4 | 10 |
| Street car drivers..... | 8 | 1 | 2 | 11 |
| Switchmen..... | 2 | 1 | 1 | 4 |
| Tailors..... | 12 | 4 | 16 | 32 |
| Telegraphists..... | 2 | 1 | 3 | 6 |
| Teamsters..... | 38 | 8 | 20 | 66 |
| Tile makers..... | 2 | 1 | 1 | 4 |
| Tinners..... | 16 | 2 | 3 | 21 |
| Toy maker..... | 6 | 1 | 1 | 8 |
| Trackmen (mine)..... | 1 | 1 | 1 | 3 |
| Train despatcher..... | 1 | 1 | 1 | 3 |
| Trunk makers..... | 5 | 1 | 1 | 7 |
| Upholsterers..... | 6 | 1 | 2 | 9 |
| Wagonmakers..... | 10 | 2 | 2 | 14 |
| Walter..... | 1 | 1 | 1 | 3 |
| Watch factory operatives..... | 4 | 1 | 3 | 8 |
| Watch makers..... | 4 | 1 | 1 | 6 |
| Watchmen..... | 5 | 2 | 1 | 8 |
| Weaver (carpet)..... | 1 | 1 | 1 | 3 |
| Weighter (mine)..... | 1 | 1 | 1 | 3 |
| Well digger..... | 18 | 2 | 2 | 22 |
| Wood machinists..... | 15 | 2 | 2 | 19 |
| Wood workers..... | 4 | 1 | 1 | 6 |
| Wipers (Loco.)..... | 1 | 1 | 1 | 3 |
| Wire fence maker..... | 3 | 1 | 1 | 5 |
| Yardmasters..... | 1 | 1 | 1 | 3 |
| Yardmen..... | 1441 | 186 | 502 | 2129 |
| Totals..... | 1441 | 186 | 502 | 2129 |

SUMMARY.

| OCCUPATIONS. | Expenses less than earnings. | Expenses equal to earnings. | Expenses more than earnings. | Total |
|---------------------------|------------------------------|-----------------------------|------------------------------|-------|
| Building trades..... | 190 | 22 | 66 | 278 |
| Shop trades..... | 317 | 50 | 90 | 457 |
| Metal workers..... | 200 | 9 | 35 | 244 |
| Railroad employes..... | 105 | 17 | 27 | 149 |
| Coal mine employes..... | 192 | 24 | 74 | 290 |
| Out-door occupations..... | 277 | 49 | 174 | 500 |
| In-door occupations..... | 147 | 15 | 34 | 196 |
| Foremen, etc..... | 13 | 2 | 2 | 15 |

Here is presented a suggestive view of the financial status of the workingman in Illinois, both as to specific occupations and groups of occupations. By the footings it is seen that out of 2,129 families, 502, or 24 per cent., find themselves in debt at the end of the year, 186, or 9 per cent., contrive to make both ends meet, while 1,441, or 67 per cent. of the whole, save more or less money. In a

similar analysis made for workingmen in Massachusetts, the money savers constitute 55 per cent., those who come out even 35 per cent., and those in debt 10 per cent. By an examination of the balances extended in the general table (XII) it will be seen what small amounts in some instances constitute the difference between gain and loss. In our tabulation we count those who do not show a difference of more than \$5 as being even for the year. Assuming any larger sum, as for instance \$10 or \$25, would of course increase this class at the expense of the other two, and render the results in the two States more nearly alike.

We may note in regard to some of the larger classes, that 15 per cent. of the blacksmiths do not make a living; and that the same is true of 11 per cent. of the bricklayers, 25 per cent. of the carpenters, 25 per cent. of the cigar makers, 30 per cent. of the coal miners, 37 per cent. of the laborers, 25 per cent. of the shoemakers, and 30 per cent. of the teamsters.

In considering the relation of the several general classes we find that the largest percentage of prosperity exists among the metal workers, and the smallest in outdoor occupations. Reducing our classification to the simpler one denoting degrees of skill, we have the following:

| CLASSES. | Number who pay expenses. | Number who do not pay expenses. | Whole number. | Per cent. | Per cent. |
|-------------------------|--------------------------|---------------------------------|---------------|-----------|-----------|
| Skilled workers..... | 950 | 225 | 1,175 | 80 | 20 |
| Railroad employes..... | 122 | 27 | 149 | 81 | 19 |
| Coal mine employes..... | 216 | 74 | 290 | 74 | 26 |
| Unskilled workers..... | 326 | 174 | 500 | 65 | 35 |

The contrasts between the condition of skilled and unskilled workmen will become more apparent upon a subsequent consideration of their respective earnings. In the foregoing, the class of foremen, etc., has not been considered, though upon examination two of this class are found, having relatively small pay and large families, whose outlay exceeds their income.

We further indicate the relative prosperity of workingmen in different places, as distinguished from occupations, in the following classification.

This table shows, numerically, the proportion of those in each town who thrive, or fail to do so, as indicated by the relation their expenses sustain to their earnings. As an index of the relative advantages offered the wage classes in different localities, this showing could not be regarded as conclusive. Compared with the whole number of workmen in any town, those represented here are necessarily few; and no exact results as to the relative advantages of towns could be reached except by a registration of all the workingmen in each, and a comparison of the general conditions thus disclosed. This presentation illustrates simply the degree of welfare existing among those whom the Bureau has been able to reach, and while the effort has been to secure a just representation of all classes, it may readily be understood that this was not always practically feasible. It is not, therefore, singular that some wide differences should appear, without apparent reason, between specific localities in the following tables. Those among the principal towns which exhibit the largest percentage of prosperous workingmen are Jacksonville, Mattoon, East St. Louis, Pontiac, Freeport, Aurora and Sterling; those showing the largest number of unfortunates are Chicago, Galesburg, Rock Island, Streator and Moline.

TABLE XIV.—*Showing the relative number of money-savers in the different cities and towns.*

| PLACES. | No. OF FAMILIES SHOWING— | | | Total | | PLACES. | No. OF FAMILIES SHOWING— | | | Total |
|--------------------|------------------------------|-----------------------------|------------------------------|-------|--|----------------------|------------------------------|-----------------------------|------------------------------|-------|
| | Expenses less than earnings. | Expenses equal to earnings. | Expenses more than earnings. | | | | Expenses less than earnings. | Expenses equal to earnings. | Expenses more than earnings. | |
| Alma | 4 | 1 | 5 | 10 | | Danville | 100 | 5 | 26 | 131 |
| Alton | 27 | 4 | 17 | 48 | | Du Quoin | 15 | 1 | 1 | 17 |
| Aurora | 69 | 8 | 16 | 93 | | East St. Louis | 79 | 4 | 10 | 93 |
| Bartonville | 6 | 7 | 13 | 26 | | Elgin | 7 | 8 | 1 | 16 |
| Belleville | 44 | 4 | 15 | 63 | | Equality | 25 | 1 | 6 | 32 |
| Bloomington | 51 | 4 | 17 | 72 | | Freeport | 16 | 2 | 1 | 19 |
| Carlinville | 11 | 4 | 15 | 30 | | Fulton | 11 | 1 | 1 | 12 |
| Caseyville | 1 | 3 | 4 | 8 | | Galena | 31 | 10 | 9 | 50 |
| Centralla | 37 | 12 | 49 | 98 | | Galesburg | 29 | 8 | 19 | 56 |
| Champaign | 70 | 8 | 20 | 98 | | Gardner | 15 | 2 | 10 | 27 |
| Chicago | 180 | 66 | 108 | 354 | | Gartside | 4 | 1 | 1 | 6 |
| Coal City | 8 | 4 | 3 | 15 | | | | | | |
| Collinsville | 20 | 6 | 3 | 29 | | | | | | |

Table XIV.—Continued.

| PLACES. | No. OF FAMILIES SHOWING— | | | Total | | PLACES. | No. OF FAMILIES SHOWING— | | | Total |
|--------------------|------------------------------|-----------------------------|------------------------------|-------|--|------------------|------------------------------|-----------------------------|------------------------------|-------|
| | Expenses less than earnings. | Expenses equal to earnings. | Expenses more than earnings. | | | | Expenses less than earnings. | Expenses equal to earnings. | Expenses more than earnings. | |
| Jacksonville..... | 58 | | 3 | 61 | | Quincy..... | 9 | 5 | | 14 |
| Joliet..... | 32 | 1 | 16 | 49 | | Rentchler..... | 1 | | 1 | 2 |
| Lincoln..... | 3 | | 1 | 4 | | Rock Falls..... | 4 | | | 4 |
| Mattoon..... | 29 | 3 | 4 | 36 | | Rock Island..... | 61 | 1 | 36 | 98 |
| Moline..... | 73 | 4 | 56 | 133 | | Springfield..... | 25 | 1 | 7 | 33 |
| Mt. Pulaski..... | 1 | | 1 | 2 | | Sterling..... | 48 | | 3 | 51 |
| Pekin..... | 17 | 7 | 5 | 29 | | Streator..... | 30 | 6 | 14 | 50 |
| Peoria..... | 127 | 5 | 32 | 164 | | Summerfield..... | | | 1 | 1 |
| Peoria county..... | 13 | 1 | 8 | 22 | | Urbana..... | 14 | 1 | 2 | 17 |
| Pontiac..... | 31 | 2 | 5 | 38 | | Totals..... | 1,441 | 186 | 502 | 2,129 |

Two summary tables are next presented, affording a comprehensive review of the results shown in detail by Table XII. They consist of averages relating to the size of families and of tenements, and to the amount of family income and outlay, classified both with reference to occupations and locations.

Table XV is an epitome of the character and economic experience of families in different trades; the data being given in averages for each trade, and the figures being placed in such juxtaposition as to bring out contrasts, and facilitate comparisons. The average earnings both of the head of the family and of the whole family are given in connection with the family expenses, in order to illustrate not only the rewards which flow from the trade itself, but also the dependence of many workingmen upon the labor of wives and children for a portion of the family support. The amounts carried out in the columns for surplus and deficit are merely the differences between the respective averages. The details of gains and losses of individual families are given in Table XII.

TABLE XV—Showing average size of families and of tenements, and average earnings and expenditures in each occupation.

| OCCUPATIONS. | No. of families visited..... | Average size of families..... | Average No. of rooms occupied..... | AVERAGE ANNUAL EARNINGS OF THE | | Average of families of..... | Average surplus..... | Average debt..... |
|---------------------------|------------------------------|-------------------------------|------------------------------------|--------------------------------|---------------|-----------------------------|----------------------|-------------------|
| | | | | Head of family. | Whole family. | | | |
| Bakers..... | 14 | 4.79 | 3.43 | \$481 79 | \$536 64 | \$481 28 | \$55 36 | ..... |
| Barbers..... | 18 | 3.61 | 4.16 | 566 22 | 582 88 | 540 83 | 42 05 | ..... |
| Baggage men..... | 5 | 4.2 | 3.8 | 540 00 | 596 00 | 492 80 | 103 20 | ..... |
| Boiler makers..... | 95 | 5.77 | 5.11 | 706 00 | 852 32 | 631 65 | 220 57 | ..... |
| Boiler helpers..... | 12 | 3. | 3. | 400 00 | 400 00 | 268 00 | 132 00 | ..... |
| Bookbinders..... | 2 | 5. | 5. | 843 00 | 893 00 | 818 00 | 75 00 | ..... |
| Bookkeepers..... | 5 | 3.8 | 5.2 | 852 00 | 957 00 | 647 60 | 309 40 | ..... |
| Blacksmiths..... | 75 | 4.66 | 4.62 | 622 35 | 676 12 | 539 97 | 136 15 | ..... |
| Blacksmiths' helpers..... | 7 | 4.45 | 4.14 | 470 86 | 470 86 | 425 57 | 45 29 | ..... |
| Brakemen..... | 5 | 4.4 | 4.2 | 508 60 | 508 60 | 512 00 | | \$3 40 |
| Brass workers..... | 6 | 4.16 | 3.66 | 647 33 | 647 33 | 491 66 | 155 67 | ..... |
| Brewers..... | 5 | 6. | 3.2 | 640 80 | 640 80 | 510 60 | 130 20 | ..... |
| Bricklayers..... | 46 | 4.26 | 4.54 | 637 60 | 699 17 | 600 80 | 98 37 | ..... |
| Brickmakers..... | 5 | 4.2 | 4.6 | 416 80 | 464 00 | 441 80 | 22 20 | ..... |
| Bridge builders..... | 5 | 4.2 | 4.8 | 737 40 | 817 40 | 563 60 | 253 80 | ..... |
| Bridge tenders..... | 2 | 5.5 | 5. | 540 00 | 780 00 | 500 00 | 280 00 | ..... |
| Broom makers..... | 32 | 3.33 | 3.33 | 601 66 | 601 66 | 352 33 | 249 33 | ..... |
| Burnisher..... | 1 | 5. | 8. | 450 00 | 2,111 00 | 1,829 00 | 282 00 | ..... |
| Butchers..... | 27 | 5.07 | 3.92 | 514 70 | 558 30 | 469 92 | 88 38 | ..... |
| Cabinet makers..... | 15 | 3.87 | 5.53 | 466 13 | 535 73 | 463 46 | 72 27 | ..... |
| Cager (coal mine)..... | 1 | 6. | 5. | 755 00 | 1,115 00 | 868 00 | 247 00 | ..... |
| Calclmimer..... | 12 | 3. | 3. | 468 00 | 468 00 | 440 00 | 28 00 | ..... |
| Caller (R. R.)..... | 12 | 6. | 6. | 463 00 | 468 00 | 499 00 | | 31 00 |
| Car builders..... | 5 | 5.6 | 5.4 | 496 80 | 506 80 | 479 20 | 27 60 | ..... |
| Car inspectors..... | 6 | 4.16 | 3.66 | 615 16 | 640 16 | 555 83 | 84 33 | ..... |
| Car painters..... | 2 | 4.5 | 3.5 | 505 00 | 505 00 | 503 50 | 1 50 | ..... |
| Car repairers..... | 8 | 4.62 | 4.62 | 562 50 | 630 50 | 484 25 | 146 25 | ..... |
| Carpenters..... | 111 | 4.43 | 4.75 | 552 44 | 625 29 | 532 73 | 92 56 | ..... |
| Carriage makers..... | 5 | 5. | 4. | 557 40 | 705 80 | 623 40 | 82 40 | ..... |
| Carriage ironers..... | 2 | 3.5 | 4. | 711 00 | 711 00 | 620 00 | 91 00 | ..... |
| Carriage painters..... | 7 | 3. | 3.57 | 624 85 | 736 24 | 532 57 | 203 71 | ..... |
| Carriage trimmers..... | 4 | 3.5 | 4.5 | 630 00 | 630 00 | 457 50 | 172 50 | ..... |
| Catcher (foundry)..... | 1 | 4. | 3. | 1,110 00 | 1,110 00 | 625 00 | 485 00 | ..... |
| Cigar makers..... | 79 | 3.88 | 3.67 | 492 42 | 577 36 | 527 70 | 49 66 | ..... |
| Cigar packers..... | 2 | 6. | 6.5 | 510 00 | 635 00 | 710 00 | | 75 00 |
| Clerks..... | 46 | 3.98 | 4.78 | 640 83 | 687 13 | 586 82 | 100 31 | ..... |
| Coal miners..... | 232 | 4.93 | 3.41 | 385 43 | 471 13 | 435 87 | 35 26 | ..... |
| Conductors (frt)..... | 2 | 5.5 | 4. | 966 00 | 966 00 | 865 00 | 101 00 | ..... |
| Coopers..... | 22 | 5.27 | 3.95 | 432 18 | 484 27 | 474 05 | 10 22 | ..... |
| Curriers..... | 7 | 4.71 | 3.29 | 555 00 | 736 43 | 667 43 | 69 00 | ..... |
| Ditchers..... | 3 | 3. | 2.66 | 359 33 | 359 33 | 292 33 | 67 00 | ..... |
| Draughtsman..... | 32 | 3.33 | 4.66 | 860 66 | 860 66 | 703 00 | 157 66 | ..... |
| Electrician..... | 1 | 5. | 4. | 800 00 | 800 00 | 760 00 | 40 00 | ..... |
| Engineers (Loco.)..... | 12 | 4.42 | 6. | 1,020 17 | 1,061 42 | 835 12 | 226 30 | ..... |
| Engineers (Sta.)..... | 30 | 4.63 | 4.3 | 631 16 | 678 63 | 584 86 | 97 77 | ..... |
| Express agent..... | 1 | 6. | 4. | 720 00 | 720 00 | 667 00 | 53 00 | ..... |
| Express drivers..... | 7 | 6. | 4.57 | 619 43 | 750 57 | 704 00 | 46 57 | ..... |
| Farm hands..... | 2 | 9. | 4.5 | 318 00 | 582 00 | 581 00 | 1 00 | ..... |
| Firemen (Loco.)..... | 16 | 4.06 | 4.81 | 670 00 | 703 12 | 560 06 | 143 06 | ..... |
| Firemen (Sta.)..... | 9 | 5.55 | 3.88 | 455 44 | 501 22 | 478 44 | 22 78 | ..... |
| Fisherman..... | 1 | 8. | 3. | 210 00 | 540 00 | 578 00 | | 38 00 |
| Flagmen..... | 4 | 2.75 | 4.5 | 357 00 | 869 50 | 376 00 | | 6 50 |
| Flour packers..... | 3 | 2.66 | 3. | 528 66 | 528 66 | 452 66 | 76 00 | ..... |
| Foremen..... | 15 | 5.33 | 6.13 | 963 93 | 1,167 49 | 933 07 | 234 33 | ..... |
| Furnacemen..... | 4 | 4.75 | 4.25 | 606 00 | 752 25 | 541 75 | 210 50 | ..... |
| Gardener..... | 1 | 11. | 3. | 380 00 | 452 00 | 470 00 | | 18 00 |
| Gilder..... | 1 | 12. | 4. | 720 00 | 1,104 00 | 920 00 | 184 00 | ..... |
| Glass blowers..... | 3 | 3.66 | 3.33 | 773 00 | 773 00 | 591 66 | 181 34 | ..... |
| Grinders..... | 4 | 3.75 | 4.5 | 610 00 | 647 50 | 521 00 | 126 50 | ..... |
| Harness makers..... | 31 | 3.87 | 4.23 | 547 52 | 645 58 | 548 26 | 57 32 | ..... |
| Heaters (Bar mill)..... | 4 | 3.75 | 3.75 | 1,468 50 | 1,524 00 | 814 50 | 709 50 | ..... |
| Heater (foundry)..... | 1 | 9. | 7. | 1,200 00 | 1,200 00 | 1,034 00 | 166 00 | ..... |
| Helpers in shop..... | 3 | 4.33 | 4.66 | 444 66 | 444 66 | 454 66 | | 10 00 |
| Hod carriers..... | 3 | 3.66 | 3. | 346 66 | 553 33 | 401 33 | 152 00 | ..... |

Table XV.—Continued.

| OCCUPATIONS. | No. of families visited. | Average size of families. | Average No. of rooms occupied. | AVERAGE ANNUAL EARNINGS OF THE | | Average expenses of family. | Average surplus. | Average deficit. |
|-----------------------------|--------------------------|---------------------------|--------------------------------|--------------------------------|---------------|-----------------------------|------------------|------------------|
| | | | | Head of family. | Whole family. | | | |
| Horseshoe maker..... | 15. | 3. | | \$580 00 | \$580 00 | \$692 00 | | \$112 00 |
| Horseshoer..... | 13. | 4. | | 900 00 | 900 00 | 655 00 | \$215 00 | |
| Hostler..... | 34.33 | 3.33 | | 476 00 | 476 00 | 478 33 | | 2 33 |
| Iron and steel workers..... | 135.38 | 5.92 | | 700 23 | 756 00 | 565 00 | 191 00 | |
| Janitors..... | 44.78 | 3.33 | | 542 50 | 686 60 | 433 25 | 253 25 | |
| Laborers..... | 3974.57 | 3.48 | | 344 59 | 414 02 | 388 38 | 25 64 | |
| Laborers R. R..... | 165.31 | 2.62 | | 365 87 | 462 56 | 445 87 | 16 69 | |
| Laborers (coal mine)..... | 194.42 | 3.63 | | 446 00 | 493 73 | 439 37 | 54 36 | |
| Lard renderer..... | 16. | 3 | | 546 00 | 546 00 | 530 00 | 16 00 | |
| Lather..... | 13. | 7. | | 494 00 | 494 00 | 357 00 | 137 00 | |
| Laundrymen..... | 23.5 | 2.5 | | 600 00 | 600 00 | 464 50 | 135 50 | |
| Lead miners..... | 24. | 4. | | 395 00 | 445 00 | 424 00 | 21 00 | |
| Lumber handlers..... | 75. | 3.43 | | 454 71 | 494 71 | 480 14 | 14 57 | |
| Machinists..... | 354.57 | 4.14 | | 661 37 | 671 60 | 563 23 | 108 37 | |
| Machinists R. R..... | 75.29 | 4.86 | | 698 00 | 821 86 | 616 86 | 205 00 | |
| Machine miners..... | 44.25 | 3.75 | | 691 00 | 691 00 | 485 50 | 205 50 | |
| Maltsters..... | 53.8 | 3. | | 604 40 | 604 40 | 413 40 | 191 00 | |
| Marble workers..... | 174.29 | 3.65 | | 569 94 | 618 06 | 552 24 | 65 82 | |
| Master mechanics..... | 27. | 7. | | 1,386 00 | 2,076 00 | 1,115 50 | 962 50 | |
| Mattress maker..... | 15. | 4. | | 440 00 | 440 00 | 446 00 | | 6 00 |
| Millers..... | 163.94 | 4. | | 872 50 | 909 25 | 656 02 | 252 03 | |
| Millwrights..... | 23.5 | 4. | | 600 00 | 600 00 | 466 50 | 133 50 | |
| Moulders..... | 494.31 | 4.41 | | 712 04 | 744 19 | 622 48 | 121 71 | |
| Monument setter..... | 13. | 3. | | 600 00 | 600 00 | 447 00 | 153 00 | |
| Mule driver (mine)..... | 33.66 | 4.33 | | 493 00 | 493 00 | 459 00 | 34 00 | |
| Nailers..... | 74.43 | 5.71 | | 1,410 57 | 1,456 00 | 786 71 | 669 29 | |
| Nail plate shearer..... | 15. | 4. | | 493 00 | 493 00 | 450 00 | 43 00 | |
| Organ builders..... | 24.9 | 5. | | 600 00 | 882 00 | 717 50 | 164 50 | |
| Omnibus drivers..... | 15. | 4. | | 480 00 | 480 00 | 436 00 | 44 00 | |
| Painters..... | 624.19 | 4.2 | | 503 10 | 532 53 | 485 61 | 46 92 | |
| Paper carriers..... | 22. | 5 | | 544 50 | 607 00 | 596 00 | 11 00 | |
| Paper hangers..... | 66.5 | 4.5 | | 601 50 | 677 59 | 628 50 | 49 00 | |
| Paper maker..... | 13. | 4. | | 472 00 | 472 00 | 374 00 | 98 00 | |
| Pattern makers..... | 94.11 | 4.89 | | 812 00 | 946 22 | 614 89 | 331 33 | |
| Piano makers..... | 26.5 | 6. | | 712 00 | 712 00 | 698 50 | 13 50 | |
| Picture frame makers..... | 24.5 | 4. | | 765 00 | 765 00 | 626 00 | 139 00 | |
| Pit bosses..... | 65.16 | 5.4 | | 775 00 | 775 00 | 595 33 | 179 67 | |
| Pit sinkers..... | 23.5 | 4.5 | | 346 00 | 381 00 | 370 50 | 10 50 | |
| Pit-top men..... | 23.5 | 3.5 | | 327 50 | 490 00 | 562 00 | | 72 00 |
| Plasterers..... | 234.73 | 4.87 | | 625 69 | 653 04 | 595 52 | 57 52 | |
| Plow factory men..... | 75.43 | 5.43 | | 659 00 | 721 43 | 544 43 | 177 00 | |
| Plumbers..... | 103. | 3.14 | | 581 14 | 595 43 | 442 79 | 152 64 | |
| Potters..... | 45. | 4. | | 401 25 | 447 25 | 434 50 | 13 75 | |
| Pressmen..... | 24.5 | 7. | | 768 00 | 768 00 | 656 00 | 112 00 | |
| Printers..... | 263.81 | 4.31 | | 654 58 | 703 58 | 647 04 | 56 54 | |
| Prison guard..... | 12. | 4 | | 540 00 | 540 00 | 333 00 | 207 00 | |
| Puddlers..... | 44.5 | 3.75 | | 786 00 | 1,051 25 | 782 50 | 268 75 | |
| Puddlers' helper..... | 14. | 5. | | 504 00 | 759 00 | 603 00 | 156 00 | |
| Quarrymen..... | 56.6 | 4. | | 400 60 | 525 60 | 502 80 | 22 80 | |
| Rag sorter..... | 15. | 3. | | 240 00 | 240 00 | 209 00 | | 59 00 |
| Refiner (gas)..... | 12. | 3. | | 730 00 | 730 00 | 466 00 | 264 00 | |
| River pilot..... | 13. | 4. | | 840 00 | 840 00 | 370 00 | 470 00 | |
| Rollers..... | 55.4 | 4.4 | | 1,608 00 | 1,692 20 | 589 60 | 1,102 60 | |
| Rolling mill hands..... | 55.4 | 5.2 | | 689 60 | 689 60 | 633 80 | 55 80 | |
| Roughers..... | 23. | 3.5 | | 1,110 00 | 1,110 00 | 671 50 | 438 50 | |
| Salt maker..... | 13. | 7. | | 780 00 | 780 00 | 385 00 | 395 00 | |
| Salt filer..... | 15. | 3. | | 580 00 | 580 00 | 439 00 | 141 00 | |
| Sawyers..... | 87. | 3.87 | | 529 62 | 629 62 | 632 12 | | 2 50 |
| Sailors..... | 22. | 4. | | 380 00 | 380 00 | 352 00 | 28 00 | |
| Section bosses..... | 56.2 | 4.4 | | 612 00 | 743 20 | 605 80 | 137 40 | |
| Section men..... | 134.65 | 2.92 | | 321 31 | 321 31 | 322 69 | | 1 38 |

Table XV.—Continued.

| OCCUPATIONS. | No. of families visited | Average No. of rooms occupied | Average size of families | AVERAGE ANNUAL EARNINGS OF THE | | Average ex- penses of family | Average sur- plus | Average de- ficit |
|----------------------------------|-------------------------|-------------------------------|--------------------------|--------------------------------|------------------|------------------------------------|----------------------|----------------------|
| | | | | Head of family. | Whole family. | | | |
| Sheet iron workers..... | 14 | 6 | | \$600 00 | \$600 00 | \$545 00 | \$55 00 | ..... |
| Shoemakers..... | 32 | 5.41 | 4.66 | 467 40 | 504 03 | 458 41 | 45 62 | ..... |
| Silver plater..... | 15 | 2 | | 320 00 | 320 00 | 320 00 |  | ..... |
| Shooter (coal)..... | 15 | 4 | | 720 00 | 720 00 | 582 00 | 138 00 | ..... |
| Soda water maker..... | 14 | 6 | | 780 00 | 780 00 | 640 00 | 140 00 | ..... |
| Spinner..... | 19 | 5 | | 270 00 | 702 00 | 702 00 |  | ..... |
| Stair builder..... | 12 | 4 | | 604 00 | 604 00 | 468 00 | 136 00 | ..... |
| Station agents..... | 4 | 3 | | 870 00 | 870 00 | 576 00 | 294 00 | ..... |
| Stone masons..... | 19 | 4.53 | 4.76 | 467 21 | 488 53 | 478 47 | 10 06 | ..... |
| Stone cutters..... | 28 | 4.64 | 4.14 | 627 07 | 627 96 | 559 54 | 68 42 | ..... |
| Stove mounters..... | 22 | 5 | 3.5 | 420 50 | 420 50 | 399 50 | 21 00 | ..... |
| Street car conductors..... | 10 | 6.7 | 4.1 | 694 40 | 728 40 | 718 30 | 10 10 | ..... |
| Street car drivers..... | 11 | 5 | 4.18 | 638 45 | 743 45 | 689 09 | 54 36 | ..... |
| Switchmen..... | 3 | 4.33 | 3.66 | 622 66 | 622 66 | 522 66 | 100 00 | ..... |
| Tailors..... | 16 | 5 | 5.5 | 542 94 | 697 87 | 619 62 | 78 25 | ..... |
| Telegraphers..... | 3 | 3.66 | 5.66 | 755 00 | 755 00 | 674 66 | 80 34 | ..... |
| Teamsters..... | 66 | 4.23 | 3.3 | 459 97 | 484 59 | 435 21 | 49 38 | ..... |
| Tile makers..... | 3 | 4.66 | 3.33 | 400 00 | 493 33 | 448 00 | 45 33 | ..... |
| Tinners..... | 21 | 5 | 4.9 | 594 57 | 629 90 | 535 64 | 94 26 | ..... |
| Toy maker..... | 18 | 4 | | 375 00 | 425 00 | 500 00 | | \$75 00 |
| Trackmen (mine)..... | 6 | 5 | 4.66 | 573 50 | 582 50 | 484 38 | 98 17 | ..... |
| Train dispatcher..... | 14 | 7 | | 1,080 00 | 1,080 00 | 1,080 00 |  | ..... |
| Trunk makers..... | 5 | 4.6 | 3.2 | 703 60 | 703 60 | 632 80 | 70 80 | ..... |
| Upholsterers..... | 9 | 4.66 | 4 | 478 89 | 565 00 | 493 67 | 71 33 | ..... |
| Wagon makers..... | 12 | 4.58 | 5.58 | 574 09 | 590 75 | 452 67 | 138 08 | ..... |
| Walter..... | 15 | 3 | | 360 00 | 360 00 | 354 00 | 6 00 | ..... |
| Watch factory operatives..... | 3 | 5 | 3.34 | 625 33 | 625 33 | 695 33 | | 70 00 |
| Watch makers..... | 4 | 3 | 2.75 | 665 50 | 665 50 | 404 25 | 261 25 | ..... |
| Watchmen..... | 7 | 4.43 | 4 | 548 00 | 665 86 | 527 86 | 138 00 | ..... |
| Weaver (carpet)..... | 15 | 4 | | 313 00 | 313 00 | 271 00 | 42 00 | ..... |
| Welders..... | 24 | 3 | 3.5 | 482 00 | 482 00 | 410 00 | 72 00 | ..... |
| Well digger..... | 15 | 4 | | 630 00 | 994 00 | 617 00 | 377 00 | ..... |
| Wood machinists..... | 20 | 3.85 | 4.35 | 730 50 | 753 50 | 627 00 | 126 50 | ..... |
| Wood workers..... | 17 | 5.24 | 4.71 | 654 18 | 671 82 | 556 88 | 114 94 | ..... |
| Wipers..... | 5 | 4.8 | 2.8 | 375 20 | 421 60 | 368 20 | 53 40 | ..... |
| Wire fence maker..... | 13 | 2 | | 351 00 | 351 00 | 402 00 | | 51 00 |
| Yard masters..... | 3 | 3 | 4 | 940 00 | 1,148 00 | 706 00 | 442 00 | ..... |
| Yard men..... | 2 | 8.5 | 4.5 | 468 00 | 468 00 | 463 00 | 5 00 | ..... |
| Averages for 163 classes..... | ..... | ..... | ..... | \$602 85 | \$680 14 | \$556 62 | \$123 52 | ..... |
| Averages for 2,129 families..... | ..... | 4.62 | 4.07 | 525 27 | 588 00 | 507 56 | 80 44 | ..... |

Referring to the earnings of the heads of families, we find the lowest to be \$210, and the highest \$1,608. There are three earnings less than \$300 per annum, but they are single families in each case, no average for a class being less than \$300. Those who show average earnings of more than \$300 and less than \$400, are representatives of 19 different occupations, among which are day laborers, coal miners, railroad section men, hod carriers and others. Those earning more than \$400 and less than \$500, are engaged in 32 occupations, including bakers, brick makers, cabinet makers, cigar makers, coopers, shoe makers, stone masons, teamsters, upholsterers, and others. Those earning more than \$500 and less than

\$600, represent 29 occupations, among which are found barbers, brakemen, butchers, carpenters, carriage makers, curriers, harness-makers, painters, plumbers, tailors, tinner, wagon makers and others. Those earning more than \$600 and less than \$700, represent 37 occupations, including blacksmiths, bricklayers, clerks, stationary engineers, locomotive firemen, machinists, machine miners, plasterers, printers, stone cutters, street car conductors and drivers and others. Those who earn more than \$700 and less than \$800, are found in 22 occupations, including among others boiler-makers, glass blowers, iron and steel workers, moulders, pressmen, puddlers, telegraphists, and trunk makers. Those who earn more than \$800 and less than \$900, represent 8 occupations, including bookbinders, bookkeepers, draughtsmen, millers, pattern makers and others. There are 13 vocations in which the average earnings are from \$900 to \$1,600 per annum. Among these are foundry men, such as heaters, earning \$1,200, and catchers, \$1,110, foremen, etc., \$969.93, nailers \$1,410, master mechanics \$1,386, rolling mill men, such as heaters, \$1,468.50, rollers \$1,608, roughers \$1,110, locomotive engineers \$1,020.70, train despatchers \$1,080, and yardmasters \$1,148,—the foregoing being averages for those classes.

These figures refer to earnings of heads of families, which in almost every class are augmented more or less by those of wives or children, and this is even true of many families whose earnings are large.

In this consideration of class or occupation averages, it will be observed that in almost every instance the class shows a net surplus of earnings over expenses. The exceptions are only 17 in number, and of these 8 are cases of single families, and with one exception they all show incomes below the average.

The surplus column in this table indicates rather a higher degree of prosperity than that brought out in tables XIII and XIV, yet the deductions from the latter must be regarded as the truer index of relative thrift, as they are founded upon the experience of individual families, rather than upon the average experience of groups of families. For the same reason the final averages of this table, as to earnings and expenses, though they are higher than the original averages given for the State, can only be accepted as averages for the sum of the different trade averages, not as the true family averages.

The second summary table introduces the condensed results derived from a detailed classification, much too large for publication

here, in which the returns from each place are so compiled as to illustrate local conditions as distinguished from the deductions by occupations. The points brought out in this analysis are the average earnings and expenses of all the working people visited, in each town, regardless of the nature of their employment, and in connection therewith the average number in each family contributing to its support, the size of families and of dwellings, the number in each town who own their homes, and the degree of welfare indicated by average balances.

TABLE XVI—*Showing the average results obtained for each town, as distinguished from trade averages.*

| LOCALITIES. | Population, 1890..... | No. of fam- ilies visited. | Average No. in each fam- ily..... | Average earn- ings of fam- ilies..... | Average No. in each family. | Average No. of rooms occu- pied..... | No. who rent. | No. who own their homes. | Average ex- penses of families.... | Surplus..... | Deficit..... |
|---------------------|--------------------------|-------------------------------|---|---|--------------------------------|--|---------------|-----------------------------|--|--------------|--------------|
| Alma..... | 165 | 5 | 2. | \$412 | 4.4 | 3.6 | 5 | 14 | \$389 | \$21 | ... |
| Alton..... | 2,978 | 43 | 1.6 | 492 | 5.8 | 3.75 | 34 | 14 | 461 | 31 | ... |
| Aurora..... | 11,875 | 93 | 1.2 | 596 | 5.9 | 4.86 | 53 | 41 | 539 | 57 | ... |
| Bartonsville..... | 450 | 13 | 1.54 | 439 | 6.4 | 3.3 | 13 | ... | 424 | 15 | ... |
| Belleville..... | 10,682 | 53 | 1.17 | 681 | 4.8 | 3.38 | 51 | 12 | 521 | 160 | ... |
| Bloomington..... | 17,184 | 72 | 1.8 | 464 | 4.1 | 3.66 | 20 | 52 | 384 | 80 | ... |
| Carlinville..... | 3,118 | 15 | 1.4 | 473 | 5.4 | 3. | 10 | 5 | 368 | 105 | ... |
| Caseyville..... | 900 | 4 | 1.5 | 480 | 7.5 | 3.75 | 4 | ... | 451 | 29 | ... |
| Centralia..... | 3,623 | 49 | 1.38 | 595 | 3.9 | 4.26 | 25 | 24 | 529 | 66 | ... |
| Champaign..... | 5,106 | 98 | 1.35 | 597 | 4.3 | 4.8 | 47 | 51 | 497 | 100 | ... |
| Chicago..... | 503,305 | 354 | 1.34 | 639 | 4.8 | 3.92 | 329 | 25 | 612 | 27 | ... |
| Coal City..... | 568 | 15 | 1.53 | 525 | 5.2 | 3.73 | 9 | 6 | 481 | 44 | ... |
| Collinsville..... | 2,832 | 29 | 1.17 | 454 | 4.7 | 3.51 | 21 | 8 | 377 | 77 | ... |
| Danville..... | 7,735 | 131 | 1.27 | 504 | 4.5 | 3.17 | 76 | 55 | 326 | 178 | ... |
| DuQuoin..... | 2,808 | 17 | 1.17 | 494 | 4. | 3.79 | 13 | 4 | 366 | 128 | ... |
| East St. Louis..... | 10,000 | 93 | 1.29 | 867 | 4.3 | 3.69 | 73 | 20 | 626 | 241 | ... |
| Elgin..... | 8,789 | 16 | 1. | 623 | 3.9 | 5.12 | 7 | 9 | 514 | 109 | ... |
| Equality..... | 500 | 32 | 1.18 | 439 | 4.4 | 2.56 | 27 | 5 | 346 | 99 | ... |
| Freeport..... | 8,516 | 19 | 1.58 | 618 | 4.9 | 5.42 | 9 | 10 | 502 | 116 | ... |
| Fulton..... | 1,733 | 12 | 1.33 | 586 | 4.4 | 4.66 | 4 | 8 | 491 | 95 | ... |
| Galena..... | 6,454 | 50 | 1.56 | 486 | 5. | 3.16 | 16 | 34 | 407 | 79 | ... |
| Galesburg..... | 11,446 | 56 | 1.3 | 570 | 4.1 | 4.57 | 34 | 22 | 527 | 43 | ... |
| Gardner..... | 786 | 27 | 1.29 | 449 | 5. | 4.07 | 21 | 6 | 451 | ... | \$2 |
| Gartside..... | 103 | 5 | 1. | 492 | 4.2 | 3.2 | 5 | ... | 415 | 77 | ... |
| Jacksonville..... | 10,927 | 61 | 1.14 | 659 | 3.7 | 4.08 | 42 | 19 | 516 | 143 | ... |
| Joliet..... | 11,659 | 49 | 1.55 | 671 | 5.5 | 5.08 | 23 | 26 | 578 | 93 | ... |
| Lincoln..... | 5,639 | 4 | 1. | 553 | 4.5 | 2.75 | 4 | ... | 547 | 6 | ... |
| Mattoon..... | 5,742 | 36 | 1.36 | 696 | 4.4 | 4.05 | 18 | 18 | 525 | 171 | ... |
| Moline..... | 7,605 | 138 | 1.23 | 528 | 3.8 | 3.75 | 90 | 48 | 476 | 52 | ... |
| Mt. Pulaski..... | 1,127 | 2 | 1. | 575 | 4.5 | 4.5 | 2 | ... | 714 | ... | 139 |
| Pekin..... | 5,998 | 29 | 1.25 | 404 | 4. | 3.48 | 21 | 8 | 386 | 18 | ... |
| Peoria..... | 29,319 | 164 | 1.3 | 545 | 4.5 | 3.53 | 121 | 43 | 443 | 102 | ... |
| Peoria county..... | 26,100 | 22 | 1.41 | 449 | 5. | 3.72 | 18 | 4 | 412 | 37 | ... |
| Pontiac..... | 2,243 | 38 | 1.31 | 726 | 4.4 | 5.5 | 12 | 26 | 551 | 195 | ... |
| Quincy..... | 27,275 | 14 | 1.21 | 660 | 5. | 4.35 | 13 | 1 | 529 | 31 | ... |
| Rentchler..... | 148 | 2 | 1.5 | 350 | 3.5 | 2. | 2 | ... | 550 | ... | 200 |
| Rock Falls..... | 894 | 4 | 1. | 555 | 5.7 | 4.5 | 2 | 2 | 477 | 79 | ... |
| Rock Island..... | 11,661 | 98 | 1.11 | 530 | 4.7 | 3.89 | 64 | 34 | 481 | 49 | ... |

Table XVI—Continued.

| LOCALITIES. | Population. 1890..... | No. of fam- ilies visited. | Average No. in each earn- ing wages.. | Average earn- ings of fam- ilies..... | Average No. in each family. | Average No. of rooms occu- pied..... | No. who rent | No. who own their homes | Average expen- diture of fam- ilies..... | Surplus | Deficit. |
|------------------|--------------------------|-------------------------------|---|---|--------------------------------|--|--------------|----------------------------|--|---------------|---------------|
| Springfield..... | 19,746 | 33 | 1.36 | \$760 | 5.1 | 4.06 | 16 | 17 | \$658 | \$102 | ... |
| Stirling..... | 5,089 | 51 | 1.43 | 584 | 5.2 | 5.68 | 24 | 27 | 474 | 110 | ... |
| Streator..... | 5,158 | 50 | 1.24 | 567 | 4.1 | 7.76 | 17 | 33 | 574 | ... | \$7 |
| Summerfield..... | 751 | 1 | 2. | 225 | 9. | 3. | 1 | ... | 264 | ... | \$9 |
| Urbana..... | 2,943 | 17 | 1.59 | 797 | 5.1 | 4.52 | 4 | 13 | 602 | 195 | ... |
| Totals..... | 807,887 | 2,129 | 2.687 | \$1,239,765 | 9.834 | ... | 1,899 | 730 | \$1,077,322 | \$162,443 | .. |
| Averages..... | ... | ... | 1.26 | 582 | 4.62 | 4.07 | ... | ... | 506 | 76 | ... |

It will be observed that there are no such extremes shown in the average earnings for towns, as in those for occupations. There are in each community some who receive the higher and some the lower rates of wages, the averages taken obscuring the extremes of both. The results, however, indicate the relative proportions of each in different places, and the relative value of those earnings as affected by the size of the town may be inferred by reference to the column showing the average cost of living in each.

A casual survey of the table shows 31 localities in which the average earnings of families are less than \$600 per annum, and 12 in which they are more. Omitting, however, places from which less than 12 families are reported—as not having a significant representation—and transferring three places in which the earnings are practically \$600 even, we have 19 places in which the average earnings are less than \$600, and 15 in which they are \$600 and over. Among the latter are Chicago, Quincy, Springfield, East St. Louis, Belleville, Jacksonville, Joliet, Freeport, Elgin, and others; while in the former class are found Bloomington, Carlinville, Danville, Du-Quoin, Peoria, Galena, Galesburg, Moline and Rock Island. The returns from the first five of these are, however, very largely from the unskilled classes.

The highest average earnings are reported from East St. Louis, \$867. This average is swollen by returns from operatives in the iron mills, some of whom, as will be seen by reference to Table XII, receive very high wages.

The largest average savings are also at East St. Louis, \$241; and in general, though not uniformly, the largest savings appear with the largest earnings. The smallest earnings, \$225 and \$350,

are reported from two small mining villages in St. Clair county, and do not vary much from average earnings of coal miners in that part of the State, as shown in other tables.

The average sizes of families, and of homes in the different towns, are shown in appropriate columns between those for earnings and expenses, to which they are intimately related. An interesting feature also of this table is the separation of those who own their homes, from those who pay rent. In round numbers, there are 1,399 out of 2,129 families who live in rented tenements, and 730, or 34 + per cent. of the whole, who occupy houses of their own. This percentage, while true of the whole number, will assume considerably larger proportions upon a close analysis of the table. It is noticeable first that the percentage of freeholders in Chicago is particularly small, being only seven per cent. of the 354 families reported; also that all the mining communities, except Streator, show small percentages of house owners. Eliminating these and we find that in 19 of the principal towns, represented by 1,155 families, 48 + per cent. of the workingmen have been able to provide themselves with houses of their own.

A subsequent table in relation to rents, etc., also shows the proportion of families in each occupation who own their homes, which may be referred to for further facts of interest on this subject.

From the foregoing we reach the following general conclusions:

1. That 24+ per cent. of the workingmen of Illinois, fail to make a living.
2. That the earnings in 80 occupations average more than \$600 per annum, and in 83 the average is less than \$300.
3. That in 19 localities the average earnings for all trades is less than \$600 per annum, and in 15 the average is \$600 or more.
4. That 34+ per cent. of our workmen own the houses in which they live.

These tables complete the general survey of the returns, and prepare us for the more specific consideration of the two sides of the workingman's accounts. The succeeding chapters are consequently devoted, first, to a more particular analysis of the sources of the family income; and second, to a fuller presentation of the character and amount of the various items of expenditure.

CHAPTER III.

SOURCES OF THE FAMILY INCOME.

Among workingmen of all classes, there are found those who require the assistance of wives and children in order to maintain themselves in the unequal struggle against want. This is in a measure true in all communities. It was declared in the House of Commons in 1872, that 184,000 mothers in England were daily away from their homes at work in the mills. Statistics on the same subject have also been compiled in the State of Massachusetts, showing that 64+ per cent. of the workingmen of that State rely upon the assistance of wives or children for the family support.

Our own returns permit us to show to what extent such assistance is required by the workingmen of Illinois; and for this purpose we enter upon an analysis of the earnings of families, and a comparison of the earnings of the head of the family and of the whole family with the expenditures of the family. This enables us to determine what proportion of the heads of families are dependent upon the labor of their women and children for the necessities of life; what proportion avail themselves of such assistance for the purpose of getting on in the world more rapidly; and how many are supporting their families by their individual earnings, and permitting their wives to remain at home, and their children to remain at school. While the results in this respect will be found gratifying as compared with conditions elsewhere, it is not the less deplorable that the necessity should ever arise for resorting to this alternative.

The employment of wives otherwise than in their domestic duties, and the placing at labor of children of school age, must be subversive of the best interests of the family, as well as of doubtful expediency as a measure of economy. The first obligation to the child is manifestly to give it such physical and mental development

as best to prepare it for the duties and responsibilities of maturity; and the most effective assistance the wife can render the family is in the care of her children, and the practice of those small domestic economies which contribute more in the end to the permanent prosperity of the family, than any mere earnings she might obtain through the neglect of them. Yet when we consider the meager earnings of many heads of families, and realize that it devolves upon them not only to maintain and educate their families, but equally to make provision for those declining years when the ability to labor shall fail, it is not strange that, when the opportunity offers, they call upon those who are naturally their dependents and make them contributors to as well as consumers of the family resources. Happily the number in our State upon whom such necessity is imposed is not large, as will appear upon an examination of subsequent pages.

We give our returns, first, three distinct groupings: by places, by nationalities, and by occupations, and show under each the whole number of families, and what proportion of them are supported by the father alone, and what proportion are assisted by wives and children. An accompanying column also gives the percentage of the latter to the whole.

TABLE XVII.—*Showing the relative Number of Families Supported by the Husband alone, and those receiving assistance from Wife and Child Labor.*

| PLACES. NATIONALITIES AND TRADES. | Whole number of families. | Number supported by the husband alone. | Number assisted by wives and children | Percentage of assisted to the whole. |
|-----------------------------------|---------------------------|--|---------------------------------------|--------------------------------------|
| PLACES. | | | | |
| Less than 1,000 population | 130 | 92 | 38 | 29+ |
| From 1,000 to 5,000 | 179 | 131 | 48 | 26+ |
| From 5,000 to 10,000 | 670 | 502 | 168 | 26+ |
| From 10,000 to 20,000 | 585 | 471 | 114 | 19+ |
| Over 20,000 | 211 | 161 | 50 | 23+ |
| Chicago | 354 | 261 | 93 | 26+ |
| | 2,129 | 1,618 | 511 | 24+ |
| NATIONALITIES. | | | | |
| Americans | 978 | 784 | 194 | 19+ |
| Germans | 349 | 275 | 74 | 21+ |
| Irish | 348 | 253 | 95 | 27+ |
| English | 152 | 103 | 49 | 32+ |
| Scandinavians | 107 | 82 | 25 | 23+ |
| Scotch | 65 | 42 | 23 | 35+ |
| Welsh | 25 | 18 | 7 | 28 |
| Canadians | 22 | 21 | 1 | 05 |
| French | 21 | 13 | 8 | 38 |

Table XVII.—Continued.

| PLACES, NATIONALITIES AND TRADES | Whole number of families. | Number supported by the husband alone. | Number assisted by wives and children | Percentage of assisted to the whole. |
|----------------------------------|---------------------------|--|---------------------------------------|--------------------------------------|
| Danes..... | 13 | 11 | 2 | 15 |
| Italians..... | 11 | 8 | 3 | 27 |
| Bohemians..... | 5 | 5 | 5 | 100 |
| Poles..... | 4 | 2 | 2 | 50 |
| Swiss..... | 5 | 5 | 5 | 100 |
| Portuguese..... | 1 | 1 | 1 | 100 |
| Colored..... | 23 | 23 | 23 | 100 |
| | 2, 129 | 1, 618 | 511 | 24+ |
| OCCUPATIONS. | | | | |
| Building trades..... | 278 | 208 | 70 | 25+ |
| Shop trades..... | 457 | 359 | 98 | 21+ |
| Metal workers..... | 244 | 199 | 45 | 18+ |
| Railroad employes..... | 149 | 110 | 39 | 26+ |
| Coal mine employes..... | 290 | 199 | 91 | 31+ |
| Out-door occupations..... | 500 | 355 | 145 | 29 |
| In-door occupations..... | 196 | 179 | 17 | 086 |
| Foremen, etc..... | 15 | 9 | 6 | 40 |
| | 2, 129 | 1, 618 | 511 | 24+ |

We find here that there are only 24+ per cent. of the families given who receive aid in the shape of earnings from wives and children, and that 75+ per cent. of the heads of families are able, by their individual earnings, to supply the needs of those dependent upon them. In Massachusetts, whose extensive mills afford unusual opportunities for the employment of women and children, the percentage of families thus assisted is 64+, affording a very wide contrast with our 24+ per cent. The disparity in this respect will appear even greater when we enquire into the ages of the so-called children who are included in our tabulation. It will then appear that a large proportion of them are over 16 years of age, consequently beyond the average school age, and really representing adult, rather than child labor.

An examination of this table also develops some minor points of interest. It appears, for instance, that the smallest percentage of assisted families is found in cities having a population of from 10,000 to 20,000, while the largest percentages are found in Chicago and in towns of the smallest population.

In respect to the nationality of families, it is observed that Americans, as a class, are more successful in providing for their own by their individual efforts than any of the races with corresponding numerical representation, and that the Germans are next to them in this respect. On the other hand, the natives of Great Britain receive most assistance from their families.

In tracing the influence of occupation upon families in this regard, we find that the metal workers and those pursuing in-door occupations require least assistance from their wives and children, while coal miners and out-door workers require the most. The apparently large proportion of foremen, etc., who receive such assistance is doubtless largely accidental in this instance, and would not be maintained if a larger number were shown in the class.

As a primary analysis of the sources of income, we arrange the following tabulation by occupations, showing the number of families in each supported by the father alone, with his average earnings; the number assisted by the labor of wives, and their earnings; the number assisted by children, and the amount of their earnings; and in connection with these columns, the average earnings and expenses of the whole family. This shows for each occupation the number of wives and children at work, and the various amounts they contribute to the revenues of the family.

TABLE XVIII.—*Showing the number of Wives and Children at work in each occupation, and their respective contributions to the family income.*

| OCCUPATIONS. | No. of families.. | Av. number in families supported by father alone. | No. families supported by father. | Av. earnings of father. | No. families assisted by wife. | Av. earnings of wife. | No. families assisted by children. | Av. earnings of children by families. | Av. earnings of whole family.. | Av. expenses of family. |
|----------------------|-------------------|---|-----------------------------------|-------------------------|--------------------------------|-----------------------|------------------------------------|---------------------------------------|--------------------------------|-------------------------|
| Bakers..... | 14 4.79 | 10 | 10 | \$481 79 | ..... | ..... | 4 | \$192 00 | \$536 64 | \$481 28 |
| Barbers..... | 183 3.61 | 16 | 16 | 566 22 | ..... | \$100 00 | 1 | 200 00 | 582 88 | 570 83 |
| Baggagemen..... | 5 4 | 4 | 4 | 540 00 | ..... | 280 00 | ..... | ..... | 596 00 | 492 80 |
| Boilermakers..... | 95 7.77 | 6 | 6 | 706 00 | ..... | ..... | 3 | 438 66 | 872 22 | 631 65 |
| Boilermakers helper. | 12 | 1 | 1 | 400 00 | ..... | ..... | ..... | ..... | 400 00 | 268 00 |
| Bookbinders..... | 25 | 1 | 1 | 813 00 | ..... | ..... | 1 | 100 00 | 893 00 | 818 00 |
| Blacksmiths..... | 75 4.66 | 58 | 58 | 622 35 | 6 | 200 00 | 11 | 257 54 | 676 12 | 539 97 |
| Blacksmiths helpers. | 7 4.45 | 7 | 7 | 470 86 | ..... | ..... | ..... | ..... | 470 86 | 425 67 |
| Brakemen..... | 5 4 4 | 5 | 5 | 508 60 | ..... | ..... | ..... | ..... | 508 60 | 512 00 |
| Bookkeepers..... | 53 8 | 4 | 4 | 852 00 | ..... | ..... | 1 | 525 00 | 957 00 | 617 60 |
| Brass workers..... | 6 4 16 | 6 | 6 | 647 33 | ..... | ..... | ..... | ..... | 647 33 | 491 66 |
| Brewers..... | 5 6 | 5 | 5 | 640 80 | ..... | ..... | ..... | ..... | 640 80 | 510 60 |
| Bricklayers..... | 46 4 26 | 36 | 36 | 637 60 | 3 | 82 66 | 7 | 369 14 | 699 17 | 600 80 |
| Brickmakers..... | 5 4 2 | 2 | 2 | 416 80 | 1 | 45 00 | 2 | 95 50 | 464 00 | 441 80 |
| Bridge builders..... | 5 4 2 | 4 | 4 | 737 40 | ..... | ..... | 1 | 400 00 | 817 40 | 523 60 |
| Bridge tenders..... | 25 5 | 1 | 1 | 540 00 | ..... | ..... | 1 | 480 00 | 780 00 | 500 00 |
| Broom makers..... | 32 33 | 3 | 3 | 601 66 | ..... | ..... | ..... | ..... | 601 66 | 352 33 |
| Burnisher..... | 15 | 1 | 1 | 450 00 | 1 | 295 00 | 1 | 365 00 | 2,111 00 | 1,829 00 |
| Butchers..... | 27 5.07 | 21 | 21 | 514 70 | 1 | 75 00 | 5 | 220 40 | 558 30 | 469 92 |
| Cabinet makers..... | 15 3.87 | 9 | 9 | 466 13 | 1 | 250 00 | 5 | 158 80 | 535 73 | 463 46 |
| Cager..... | 16 | 1 | 1 | 755 00 | ..... | ..... | ..... | ..... | 1,115 00 | 863 00 |
| Calicimner..... | 12 | 1 | 1 | 468 00 | ..... | ..... | ..... | ..... | 468 00 | 410 00 |
| Callor (R. R.)..... | 12 | 1 | 1 | 468 00 | ..... | ..... | ..... | ..... | 468 00 | 499 00 |
| Car builders..... | 55 6 | 4 | 4 | 496 80 | ..... | ..... | 1 | 40 00 | 506 80 | 479 20 |
| Car inspectors..... | 6 4 16 | 5 | 5 | 615 16 | 1 | 150 00 | ..... | ..... | 640 16 | 555 33 |
| Car painters..... | 24 5 | 2 | 2 | 505 00 | ..... | ..... | ..... | ..... | 505 00 | 503 50 |

Table XVIII.—Continued.

| OCCUPATIONS. | No. of families.. | Av. number in families..... | No. families supported by father alone.. | Av. earnings of father..... | No. families assisted by wife. | Av. earnings of wife..... | No. families assisted by children. | Av. earnings of children by families..... | Av. earnings of whole family.. | Av. expenses of family..... |
|----------------------------|-------------------|-----------------------------|--|-----------------------------|--------------------------------|---------------------------|------------------------------------|---|--------------------------------|-----------------------------|
| Car repairers | 84 | 4.62 | 7 | \$562 50 | 4 | 118 75 | 1 | \$546 00 | \$630 50 | \$484 26 |
| Carpenters | 111 | 4.43 | 73 | 552 44 | 1 | 12 00 | 31 | 224 00 | 625 29 | 532 73 |
| Carriage makers | 5 | 5 | 5 | 557 40 | 4 | | 2 | 365 00 | 705 80 | 623 40 |
| Carriage ironers | 24 | 2 | 2 | 711 00 | | | | | 711 00 | 620 30 |
| Carriage painters | 73 | 3 | 5 | 624 85 | 1 | 36 00 | 1 | 744 00 | 736 28 | 532 57 |
| Carriage trimmers | 43 | 5 | 4 | 630 00 | | | | | 630 00 | 457 50 |
| Catcher (foundry) | 14 | 1 | 1 | 110 00 | | | | | 110 00 | 625 00 |
| Cigar makers | 79 | 3.89 | 63 | 492 42 | 5 | 450 60 | 11 | 405 22 | 577 36 | 527 70 |
| Cigar packers | 2 | 2 | 2 | 510 00 | | | 2 | 375 00 | 635 00 | 710 00 |
| Clerks | 463 | 3.98 | 40 | 640 83 | 2 | 70 00 | 4 | 498 00 | 687 13 | 586 82 |
| Coal miners | 282 | 5 | 150 | 385 43 | 6 | 104 65 | 67 | 288 66 | 471 13 | 435 87 |
| Conductors (freight) | 2 | 5 | 2 | 966 00 | | | | | 966 00 | 865 00 |
| Coopers | 23 | 5.23 | 16 | 432 18 | 2 | 58 50 | 4 | 257 50 | 484 57 | 474 05 |
| Carriers | 74 | 7.71 | 4 | 555 00 | | | 3 | 423 33 | 736 43 | 667 43 |
| Ditchers | 3 | 3 | 3 | 359 33 | | | | | 359 33 | 292 33 |
| Draughtsmen | 32 | 3.33 | 3 | 860 66 | | | | | 860 66 | 703 00 |
| Electrician | 1 | 1 | 1 | 800 00 | | | | | 800 00 | 760 00 |
| Engineers (Loc.) | 124 | 4.2 | 10 | 1,020 17 | | | 2 | 247 50 | 1,061 42 | 835 92 |
| Engineers (Sta.) | 304 | 4.63 | 26 | 631 16 | | | 4 | 318 50 | 678 63 | 580 86 |
| Express agent | 16 | 1 | 1 | 720 00 | | | | | 720 00 | 667 00 |
| Express drivers | 7 | 6 | 5 | 619 43 | | | 2 | 459 00 | 750 57 | 704 00 |
| Farm hands | 2 | 2 | 2 | 318 00 | | | 2 | 264 00 | 582 00 | 581 00 |
| Firemen (Loc.) | 164 | 4.06 | 14 | 670 00 | 1 | 50 00 | 1 | 480 00 | 703 12 | 560 06 |
| Firemen (Sta.) | 9 | 5.55 | 7 | 455 44 | | | 2 | 206 00 | 501 22 | 478 44 |
| Fisherman | 18 | 1 | 1 | 210 00 | | | 1 | 330 00 | 540 00 | 578 00 |
| Flagmen | 42 | 7.5 | 3 | 357 00 | | | 1 | 50 00 | 369 50 | 376 00 |
| Flour packers | 32 | 6.6 | 3 | 528 66 | | | | | 528 66 | 452 66 |
| Foremen | 15 | 5.33 | 9 | 969 93 | 1 | 250 00 | 5 | 542 40 | 1,167 40 | 993 07 |
| Furnacemen | 44 | 7.5 | 2 | 606 00 | | | 2 | 292 50 | 752 25 | 541 75 |
| Gardeners | 11 | 1 | 1 | 380 00 | | | 1 | 73 00 | 452 00 | 470 00 |
| Gilder | 11 | 1 | 1 | 720 00 | | | 1 | 384 00 | 1,104 00 | 920 00 |
| Glass blowers | 83 | 6.6 | 3 | 773 00 | | | | | 773 00 | 591 66 |
| Grinders | 43 | 7.5 | 3 | 610 00 | | | 1 | 150 00 | 647 50 | 521 00 |
| Harness makers | 31 | 3.87 | 25 | 547 52 | 1 | 0 00 | 1 | 350 00 | 605 53 | 548 26 |
| Heaters (bar mill) | 43 | 7.5 | 3 | 1,468 50 | | | 1 | 222 00 | 1,524 00 | 814 50 |
| Heater (foundry) | 19 | 1 | 1 | 1,200 00 | | | | | 1,200 00 | 1,031 00 |
| Helpers (in shops) | 34 | 3.3 | 3 | 444 66 | | | | | 444 66 | 454 66 |
| Hod carriers | 33 | 6.6 | 1 | 346 66 | 1 | 120 00 | 2 | 250 00 | 553 33 | 410 33 |
| Horseshoe maker | 15 | 1 | 1 | 580 00 | | | | | 580 00 | 692 00 |
| Horseshoe | 13 | 1 | 1 | 900 00 | | | | | 900 00 | 655 00 |
| Hostlers | 34 | 3.3 | 3 | 476 00 | | | | | 476 00 | 478 33 |
| Iron & steel workers | 13 | 5.38 | 11 | 700 23 | | | 2 | 362 50 | 756 00 | 565 00 |
| Janitors | 44 | 7.5 | 3 | 542 50 | | | 1 | 576 00 | 686 50 | 433 25 |
| Laborers | 397 | 4.57 | 253 | 314 59 | 43 | 103 00 | 101 | 229 00 | 414 02 | 388 38 |
| Laborers (R. R.) | 16 | 5.31 | 13 | 365 87 | | | 3 | 515 66 | 462 56 | 445 87 |
| Laborers (coal mine) | 194 | 4.42 | 16 | 446 00 | 1 | 25 00 | 2 | 441 00 | 493 73 | 439 37 |
| Lard renderer | 16 | 1 | 1 | 546 00 | | | | | 546 00 | 530 00 |
| Lather | 18 | 1 | 1 | 494 00 | | | | | 494 00 | 357 00 |
| Laundrymen | 23 | 5 | 2 | 600 00 | | | | | 600 00 | 461 50 |
| Lead miners | 24 | 1 | 1 | 395 00 | | | 1 | 100 00 | 445 00 | 424 00 |
| Lumber handlers | 7 | 5 | 5 | 454 71 | | | 2 | 140 00 | 494 71 | 480 14 |
| Machinists | 35 | 4.57 | 29 | 661 37 | 2 | 85 00 | 4 | 247 00 | 671 60 | 563 23 |
| Machinists (R. R.) | 7 | 5.29 | 3 | 698 00 | | | 4 | 266 75 | 821 86 | 616 86 |
| Machine miners | 44 | 2.5 | 4 | 691 00 | | | | | 691 00 | 485 50 |
| Malsters | 5 | 5.8 | 5 | 604 40 | | | | | 604 40 | 413 40 |
| Marble workers | 174 | 4.29 | 14 | 569 94 | | | 3 | 272 66 | 618 06 | 552 24 |
| Master mechanics | 27 | 1 | 1 | 1,396 00 | | | 1 | 1,380 00 | 2,076 00 | 1,113 50 |
| Mattress maker | 15 | 1 | 1 | 410 00 | | | | | 440 00 | 446 00 |
| Millers | 163 | 3.94 | 13 | 872 50 | 1 | 240 00 | 2 | 175 00 | 909 25 | 656 52 |
| Millwrights | 23 | 5 | 2 | 600 00 | | | | | 600 00 | 466 50 |
| Moulders | 494 | 4.31 | 41 | 712 04 | 2 | 10 00 | 6 | 261 00 | 744 19 | 622 45 |
| Monument setter | 13 | 1 | 1 | 600 00 | | | | | 600 00 | 447 00 |
| Mule drivers (mines) | 33 | 6.6 | 3 | 493 00 | | | | | 493 00 | 459 00 |

Table XVIII.—Continued.

| OCCUPATIONS. | No. of families. | A.V. number in families. | No. families supported by father alone. | A.V. earnings of father. | No. families assisted by wife. | A.V. earnings of wife. | No. families assisted by children. | A.V. earnings of children by families. | A.V. earnings of whole family. | A.V. expenses of family. |
|----------------------------|------------------|--------------------------|---|--------------------------|--------------------------------|------------------------|------------------------------------|--|--------------------------------|--------------------------|
| Nailers..... | 74.43 | 6 | 1 | 1,410 57 | — | — | 1 | \$318 00 | \$1,456 00 | \$786 71 |
| Nail plate shearer.... | 15. | 1 | 1 | 493 00 | — | — | — | — | 493 00 | 450 00 |
| Organ builders..... | 24.5 | 1 | 1 | 600 00 | — | — | 1 | 564 00 | 882 00 | 717 50 |
| Omnibus driver..... | 15. | 1 | 1 | 480 00 | — | — | — | — | 480 00 | 436 00 |
| Painters..... | 624.19 | 51 | 5 | 503 10 | 4 | \$101 00 | 7 | 202 90 | 532 53 | 485 69 |
| Paper carriers..... | 32. | 1 | 1 | 544 50 | 1 | 125 00 | — | — | 607 00 | 596 01 |
| Paper hangers..... | 66.5 | 4 | 4 | 601 50 | 1 | 50 00 | 2 | 203 00 | 677 50 | 628 50 |
| Paper maker..... | 13. | 1 | 1 | 472 00 | — | — | — | — | 472 00 | 374 00 |
| Pattern makers..... | 94.11 | 7 | 7 | 812 00 | — | — | 2 | 604 00 | 946 22 | 614 80 |
| Piano makers..... | 26.5 | 2 | 2 | 712 00 | — | — | — | — | 712 00 | 698 50 |
| Picture frame makers..... | 24.5 | 2 | 2 | 765 00 | — | — | — | — | 765 00 | 626 00 |
| Pit bosses (mines)..... | 65.16 | 6 | 6 | 775 00 | — | — | — | — | 775 00 | 595 33 |
| Pit sinkers..... | 23.5 | 1 | 1 | 346 00 | — | — | 1 | 70 00 | 381 00 | 370 50 |
| Pit-top men..... | 23.5 | 1 | 1 | 327 50 | — | — | 1 | 325 00 | 490 00 | 562 00 |
| Plasterers..... | 234.73 | 18 | 18 | 625 69 | 1 | 50 00 | 5 | 115 80 | 653 04 | 595 52 |
| Plow-factory men..... | 75.43 | 6 | 6 | 650 00 | — | — | 1 | 900 00 | 721 43 | 544 43 |
| Plumbers..... | 103. | 9 | 9 | 581 14 | — | — | 1 | 200 00 | 595 43 | 412 79 |
| Potters..... | 45. | 3 | 3 | 401 25 | — | — | 1 | 184 00 | 447 25 | 433 50 |
| Pressmen..... | 24.5 | 2 | 2 | 768 00 | — | — | — | — | 768 00 | 656 00 |
| Printers..... | 263.81 | 21 | 21 | 654 50 | 1 | 50 00 | 4 | 306 50 | 703 58 | 647 04 |
| Prison guard..... | 12. | 1 | 1 | 540 00 | — | — | — | — | 540 00 | 383 00 |
| Puddlers..... | 44.5 | 2 | 2 | 786 00 | 1 | 640 00 | 1 | 421 00 | 1,051 25 | 782 50 |
| Puddlers' helpers..... | 14. | 1 | 1 | 504 00 | — | — | 1 | 255 00 | 759 00 | 693 00 |
| Quarrymen..... | 56.6 | 2 | 2 | 400 60 | 1 | 75 00 | 3 | 183 33 | 525 60 | 592 80 |
| Rag sorter..... | 15. | 1 | 1 | 240 00 | — | — | — | — | 240 00 | 299 00 |
| Refiner (gas)..... | 12. | 1 | 1 | 730 00 | — | — | — | — | 730 00 | 466 00 |
| River pilot..... | 13. | 1 | 1 | 840 00 | — | — | — | — | 840 00 | 370 00 |
| Rollers (iron mills)..... | 55.4 | 4 | 4 | 608 00 | — | — | 1 | 421 00 | 1,692 20 | 589 60 |
| Rolling mill hands..... | 55.4 | 2 | 2 | 455 00 | — | — | 3 | 391 33 | 689 50 | 633 80 |
| Boughers..... | 23. | 2 | 2 | 1,110 00 | — | — | — | — | 1,110 00 | 671 50 |
| Salt maker..... | 17. | 1 | 1 | 780 00 | — | — | — | — | 780 00 | 385 00 |
| Saw filer..... | 15. | 1 | 1 | 580 00 | — | — | — | — | 580 00 | 439 00 |
| Sawyers..... | 87. | 7 | 7 | 529 62 | — | — | 1 | 800 00 | 629 62 | 632 12 |
| Sailors..... | 22. | 2 | 2 | 380 00 | — | — | — | — | 380 00 | 352 00 |
| Section bosses..... | 56.2 | 3 | 3 | 612 00 | — | — | 2 | 328 00 | 743 20 | 605 80 |
| Section men..... | 134.65 | 13 | 13 | 321 31 | — | — | — | — | 321 31 | 322 69 |
| Sheet-iron worker..... | 14. | 1 | 1 | 600 00 | — | — | — | — | 600 00 | 545 00 |
| Shoemakers..... | 325.41 | 25 | 25 | 467 40 | 1 | 300 00 | 6 | 278 66 | 604 03 | 458 48 |
| Shoer plater..... | 15. | 1 | 1 | 320 00 | — | — | — | — | 320 00 | 320 00 |
| Shooter (coal)..... | 15. | 1 | 1 | 720 00 | — | — | — | — | 720 00 | 582 00 |
| Sodawater maker..... | 14. | 1 | 1 | 780 00 | — | — | — | — | 780 00 | 640 00 |
| Spinner..... | 19. | 1 | 1 | 270 00 | — | — | 1 | 432 00 | 702 00 | 702 00 |
| Stair builder..... | 12. | 1 | 1 | 604 00 | — | — | — | — | 604 00 | 468 00 |
| Station agents..... | 43. | 4 | 4 | 870 00 | — | — | — | — | 870 00 | 576 00 |
| Stone masons..... | 194.53 | 16 | 16 | 467 21 | 1 | 40 00 | 2 | 155 00 | 488 53 | 478 47 |
| Stone cutters..... | 264.64 | 27 | 27 | 627 07 | 1 | 25 00 | — | — | 627 06 | 550 54 |
| Stove mounters..... | 22.5 | 2 | 2 | 420 50 | — | — | — | — | 420 50 | 399 50 |
| Street car conductors..... | 106.7 | 9 | 9 | 698 40 | — | — | 1 | 300 00 | 728 40 | 718 30 |
| Street car drivers..... | 115. | 9 | 9 | 638 45 | 1 | 55 00 | 1 | 1,200 00 | 743 45 | 689 00 |
| Switchmen..... | 34.33 | 3 | 3 | 622 66 | — | — | — | — | 622 66 | 532 66 |
| Tailors..... | 165.6 | 9 | 9 | 542 94 | 3 | 331 66 | 5 | 296 80 | 697 37 | 619 62 |
| Telegraphists..... | 33.66 | 3 | 3 | 755 00 | — | — | — | — | 755 00 | 674 66 |
| Teamsters..... | 664.23 | 5 | 5 | 459 97 | — | — | 9 | 180 44 | 484 59 | 435 21 |
| Tilemakers..... | 34.66 | 2 | 2 | 460 00 | — | — | 1 | 100 00 | 493 33 | 448 00 |
| Tinners..... | 215. | 16 | 16 | 591 57 | — | — | 5 | 268 30 | 629 90 | 535 64 |
| Toymaker..... | 18. | 1 | 1 | 375 00 | — | — | 1 | 50 00 | 425 00 | 500 00 |
| Trackmen (mine)..... | 65. | 5 | 5 | 573 50 | — | — | 1 | 54 00 | 582 59 | 484 33 |
| Train despatcher..... | 14. | 1 | 1 | 080 00 | — | — | — | — | 1,080 00 | 1,080 00 |
| Trunkmakers..... | 54.6 | 5 | 5 | 703 60 | — | — | — | — | 703 60 | 632 80 |
| Upholsterers..... | 94.66 | 7 | 7 | 478 89 | — | — | 2 | 387 50 | 565 00 | 493 67 |
| Wagonmakers..... | 124.58 | 11 | 11 | 574 08 | — | — | 1 | 200 00 | 590 75 | 452 67 |
| Walter..... | 15. | 1 | 1 | 360 00 | — | — | — | — | 360 00 | 351 00 |
| Watchfactory op..... | 35.33 | 3 | 3 | 625 33 | — | — | — | — | 925 33 | 695 33 |

Table XVIII.—Continued.

| OCCUPATIONS. | No. of families. | Av. number in families. | No. families supported by father alone. | Av. earnings of father. | No. of families assisted by wife. | Av. earnings of wife. | No. families assisted by children. | Av. earnings of children by families. | Av. earnings of family. | Av. expenses of family. |
|----------------------|------------------|-------------------------|---|-------------------------|-----------------------------------|-----------------------|------------------------------------|---------------------------------------|-------------------------|-------------------------|
| Watchmakers..... | 43. | | 4 | \$965 50 | | | | | \$665 50 | \$404 25 |
| Watchmen..... | 74.43 | | 5 | 548 00 | 2 | \$375 00 | | \$75 00 | 635 86 | 527 86 |
| Weaver (carpet)..... | 15. | | 1 | 313 00 | | | | | 313 00 | 281 00 |
| Weighers..... | 24. | | 2 | 482 00 | | | | | 482 00 | 410 00 |
| Well-digger..... | 15. | | 1 | 630 00 | | | | 394 00 | 994 00 | 617 00 |
| Woodmachinists..... | 263.85 | | 18 | 739 50 | | | 2 | 140 00 | 753 50 | 627 00 |
| Woodworkers..... | 175.24 | | 16 | 654 18 | | | 1 | 300 00 | 671 82 | 556 38 |
| Wiper (Loc)..... | 54.8 | | 3 | 375 20 | 2 | 96 00 | 1 | 40 00 | 421 60 | 368 20 |
| Wirefence maker..... | 13. | | 1 | 351 00 | | | | | 351 00 | 402 00 |
| Yardmasters..... | 33. | | 2 | 940 00 | | | 1 | 624 00 | 1,148 00 | 706 00 |
| Yardmen..... | 28.5 | | 2 | 468 00 | | | | | 468 00 | 463 00 |
| Totals..... | 2129 | | 1,597 | | 111 | | 421 | | | |

From this table we learn that out of 2,129 families there were 111 assisted by the labor of wives and 421 by the labor of children. There are 21 of these families assisted both by the wife and one or more children, leaving 511 families in all who receive this kind of pecuniary aid, and 1,618 who are supported by the father alone. Upon an examination of the amounts earned and expended by these 511 families, it is found that 139 of them barely subsist, or fail altogether of paying their expenses, upon their total earnings; and that 372 families earn, by their combined efforts, somewhat more than they spend, and thus accumulate a sinking fund against sickness and old age. Another count of the individual cases develops the fact that in 111 of the families receiving assistance from the wages of wives or children, the income of the father alone is equal to the whole expenditure of the family, so that in this number of families all the earnings of the women and children constitute a surplus to the credit of future emergencies. Deducting these 111 families, who can not be regarded as strictly dependent upon this kind of assistance for actual support, from our whole number of families so assisted, we reduce our percentage of families really dependent upon wife and child labor from 24+ to 18+ per cent. In other words, while 24+ per cent. of workingmen make more or less use of the labor of those naturally dependent upon them, only 18+ per cent. are compelled to rely upon such assistance for daily bread, and really 81+ per cent. of the heads of families of workingmen in Illinois maintain their families by their individual efforts. This emphasizes the contrast with conditions developed by the chief of the

Massachusetts Bureau, who reports in 1875 "that in a majority of cases workingmen in this commonwealth do not support their families by their individual earnings alone;" and in his tables shows that 64+ per cent. are in that condition of dependence upon their families in which we find 18+ per cent. of the workingmen in this State.

Selecting 26 of the principal occupations, represented by 1,528 families, we may deduce some further facts of interest in relation to the character and amount of the assistance rendered, in a more concise form, as follows:

TABLE XIX.—*Showing the proportion of the family income derived from the labor of wives and children.*

| OCCUPATIONS. | Whole No. families | Number supported by father alone. | Number assisted by wives and children. | Average earnings of father alone. | Average earnings of other members of family. | Per cent. of the whole. | Total earnings of family. | Total expenses of family. |
|-----------------------|--------------------|-----------------------------------|--|-----------------------------------|--|-------------------------|---------------------------|---------------------------|
| Blacksmiths | 75 | 58 | 17 | \$622 | \$54 | .08 | \$676 | \$540 |
| Bricklayers | 46 | 36 | 10 | 638 | 61 | .09 | 699 | 601 |
| Butchers | 27 | 21 | 6 | 515 | 43 | .08 | 558 | 470 |
| Cabinet makers | 15 | 9 | 6 | 466 | 70 | .13 | 536 | 463 |
| Carpenters | 111 | 73 | 38 | 552 | 73 | .12 | 625 | 532 |
| Cigar makers | 79 | 63 | 16 | 492 | 85 | .15 | 577 | 528 |
| Clerks | 46 | 40 | 6 | 641 | 46 | .07 | 687 | 587 |
| Coal miners | 232 | 159 | 73 | 385 | 86 | .18 | 471 | 435 |
| Coopers | 22 | 16 | 6 | 432 | 52 | .11 | 484 | 474 |
| Harness makers | 31 | 25 | 6 | 547 | 58 | .08 | 605 | 548 |
| Laborers | 397 | 253 | 144 | 344 | 70 | .17 | 414 | 388 |
| Machinists | 35 | 29 | 6 | 661 | 10 | .015 | 671 | 563 |
| Marble workers | 17 | 14 | 3 | 570 | 48 | .08 | 618 | 552 |
| Millers | 16 | 13 | 3 | 872 | 37 | .04 | 909 | 656 |
| Moulders | 49 | 41 | 8 | 712 | 32 | .043 | 744 | 622 |
| Painters | 62 | 51 | 11 | 503 | 29 | .054 | 532 | 486 |
| Plasterers | 23 | 18 | 5 | 626 | 27 | .04 | 653 | 595 |
| Printers | 26 | 21 | 5 | 654 | 49 | .07 | 703 | 647 |
| Shoemakers | 32 | 25 | 7 | 467 | 37 | .07 | 504 | 458 |
| Stone masons | 19 | 16 | 3 | 467 | 21 | .04 | 488 | 478 |
| Stone cutters | 28 | 27 | 1 | 627 | 1 | ..... | 628 | 560 |
| Tailors | 16 | 9 | 7 | 543 | 155 | .22 | 698 | 620 |
| Teamsters | 66 | 57 | 9 | 460 | 25 | .05 | 485 | 435 |
| Tinners | 21 | 16 | 5 | 595 | 35 | .055 | 630 | 536 |
| Wood machinists | 20 | 18 | 2 | 739 | 14 | .02 | 753 | 627 |
| Wood workers | 17 | 16 | 1 | 654 | 18 | .026 | 672 | 557 |
| Totals | 1,528 | 1,124 | 404 | \$14,784 | \$1,236 | ..... | \$16,020 | \$13,958 |
| Averages ..... | ..... | ..... | ..... | \$568 61 | \$47 54 | .08 | \$616 15 | \$536 85 |

This brings out the extent of the money contribution of wives and children to the family fund, computed by averages for occupations; and also indicates those occupations in which such assistance is most imperative. It is found upon summing up the results here shown that only 8 per cent. of the combined earnings of these families is really derived from the labor of their dependent members. This percentage, however, varies widely in the different

occupations. The increment to the earnings of cigar makers from this source is 15 per cent., to that of coal miners it is 18 per cent., to that of laborers it is 17 per cent., while the assistance received by tailors from their families is 22 per cent. of the family income,—this large proportion, doubtless, being due to the nature of the occupation and the facilities it affords for work for women.

It should be expected that the greater percentages would appear in the occupations affording the smaller earnings to the head of the family, and this in the main is true. We not only find the proportions largest in the classes named, but also that in 10 employments showing average earnings for the head of the family of \$460, the contribution of other members is 12+ per cent., and in 11 employments affording an average income of \$677, the earnings of wives and children average only 4+ per cent. of it.

The foregoing percentages, it should be observed, relate to all families; not alone to those actually assisted. The ratio of the earnings of wives and children to those of the husband, in assisted families alone, is of course greater, as will appear in subsequent pages. The deduction here is that the labor of wives and children supply 8 per cent. of the total earnings of the 1,528 families.

The extremes of condition are moreover quite as great among families designated as "assisted" as among others. Wives and children are found at work in the families of the most prosperous, as well as in those oppressed by poverty. Some exceptional cases which do not appear in these necessarily condensed tables, but which can be traced in the general table (XII) may be grouped here in tabular form to show the thrift of some who receive pecuniary aid from their families:

| OCCUPATION. | Earnings of the father alone. | Earnings of other members of the family. | Total Earnings. | Annual Savings. |
|----------------------------|--|--|--------------------|--------------------|
| Blacksmith..... | \$600 | \$500 | \$1,100 | \$538 |
| "..... | 1,000 | 600 | 1,600 | 673 |
| "..... | 728 | 735 | 1,463 | 602 |
| "..... | 780 | 500 | 1,280 | 635 |
| Bookkeeper..... | 900 | 525 | 1,425 | 495 |
| Bricklayer..... | 500 | 920 | 1,420 | 285 |
| "..... | 672 | 364 | 1,036 | 464 |
| Carpenter..... | 522 | 960 | 1,482 | 752 |
| Cigar maker..... | 480 | 1,350 | 1,830 | 539 |
| Coal miner..... | 600 | 950 | 1,550 | 408 |
| "..... | 750 | 500 | 1,250 | 801 |
| Cooper..... | 600 | 660 | 1,260 | 510 |
| Harness maker..... | 702 | 600 | 1,302 | 633 |
| Heater..... | 1,322 | 222 | 1,544 | 633 |
| Iron and steel worker..... | 1,420 | 300 | 1,720 | 1,012 |
| Laborer..... | 300 | 700 | 1,000 | 580 |
| Master mechanic..... | 1,800 | 1,380 | 3,180 | 2,063 |

Table—Continued.

| OCCUPATION. | Earnings of the father alone. | Earnings of other members of the family | Total Earnings. | Annual Savings. |
|--------------------|--|---|--------------------|--------------------|
| Pattern maker..... | \$811 | \$728 | \$1,539 | \$579 |
| Janitor..... | 648 | 480 | 1,128 | 488 |
| Nailer..... | 700 | 576 | 1,276 | 598 |
| Puddler..... | 1,080 | 318 | 1,398 | 441 |
| Roller..... | 1,000 | 421 | 1,421 | 519 |
| Shoemaker..... | 1,000 | 421 | 1,421 | 487 |
| | 624 | 416 | 1,040 | 537 |
| Totals..... | \$19,539 | \$15,136 | \$34,665 | \$15,272 |
| Averages | \$814 17 | \$630 66 | \$1,444 83 | \$636 33 |

Here are 24 families, of miscellaneous occupations, with an average income to each family of \$1,444.83. These incomes range from \$1,036 to \$3,180; the amounts contributed by wives and children range from \$222 to \$1,380 per annum, with an average of \$630.66, and the net savings per family range from \$285 to \$2,063, with an average for the group of \$636.33.

On the other hand, the returns afford us instances of the other extreme, showing exceptional poverty and debt on the part of some families, in spite of the labor of all the available members of them. It is found, also, that some families become involved in debt who have incomes larger than the average. In some cases there are exceptional expenses incurred which account for this, but in the greater number of such cases the reported destitution and indebtedness can only be explained as the result of improvidence. We find among the returns the following extreme cases, affording a view of the reverse of the picture presented in the foregoing group:

| OCCUPATION. | Earnings of the father alone. | Earnings of other members of the family. | Total earnings. | Indebted- ness of the family at the end of the year. |
|---------------------|--|--|--------------------|--|
| Barber..... | \$420 | \$200 | \$620 | \$85 |
| Blacksmith..... | 380 | 48 | 428 | 72 |
| Bricklayer..... | 480 | 50 | 530 | 143 |
| Brick maker..... | 510 | 18 | 528 | *731 |
| Carpenter..... | 288 | 80 | 368 | 35 |
| | 350 | 75 | 425 | 116 |
| | 550 | 150 | 701 | 100 |
| Carriage maker..... | 264 | 12 | 276 | 164 |
| Cigar maker..... | 150 | 500 | 650 | 196 |
| .. .. | 360 | 300 | 660 | 288 |
| .. .. | 270 | 288 | 558 | 139 |
| Coal miner..... | 312 | 497 | 809 | +164 |
| .. .. | 360 | 200 | 560 | 124 |
| .. .. | 336 | 100 | 436 | 22 |
| .. .. | 400 | 60 | 460 | 97 |
| .. .. | 340 | 162 | 502 | 139 |

Table—Continued.

| OCCUPATION. | Earnings of the father alone. | Earnings of other members of the family. | Total earnings. | Indebted- ness of the family at the end of the year. |
|----------------|--|--|--------------------|--|
| Cooper | \$340 | \$120 | \$460 | \$223 |
| Laborer | 250 | 52 | 302 | 29 |
| " | 180 | 25 | 205 | 56 |
| " | 288 | 300 | 588 | 110 |
| " | 312 | 25 | 337 | 146 |
| Teamster | 275 | 200 | 475 | 15 |
| " | 360 | 126 | 486 | 43 |
| Tinner | 520 | 122 | 642 | 167 |
| Totals | \$8,625 | \$3,710 | \$12,335 | \$3,344 |
| Averages | \$359 37 | \$154 58 | \$513 95 | \$139 38 |

* This family expended \$493 for sickness.

† Family consists of 10 members.

These 24 families show earnings ranging from \$205 to \$950, with an average of \$513.95; yet they failed to meet their expenses and became involved in debt to the average amount of \$189.93 to each family, notwithstanding the assistance rendered by wives and children.

By observation of these two groups of extreme cases, we not only recognize the great variety of condition and character among the families embraced in our category of the "assisted," but may also note the wide range of conditions which our returns in general cover, and from what broad diversity our averages are derived.

The point is also made sufficiently clear that while in the majority of cases wife and child labor is not resorted to except under urgent necessity, there are some very prosperous families whose members combine to augment the family revenue and promote their worldly welfare, not so much from necessity as from choice, and to whom the rendering of such assistance can not be regarded as a hardship.

Taking up the consideration of the conditions under which wives are found at work, we compile the following table of the 111 families in which they render such service, and give a complete record of each case, showing the size of the family, the occupation, location, nationality and earnings of the father, the earnings of the wife, and the relation those earnings sustain to the family support:

TABLE XX.—*Wives at work, and their Earnings.*

| OCCUPATION AND LOCATION OF FAMILY. | Nationality.. | No. in family | Earnings of husband... | Earnings of wife..... | Earnings of children... | Total earnings..... | Cost of living..... | Surplus..... | Deficit..... |
|------------------------------------|---------------|---------------|------------------------|-----------------------|-------------------------|---------------------|---------------------|--------------|--------------|
| <i>Barber—</i> | | | | | | | | | |
| Centralia..... | Colored... | 3 | \$384 00 | \$100 00 | ..... | \$484 00 | \$435 00 | \$49 00 | .... |
| <i>Baggageman—</i> | | | | | | | | | |
| East St. Louis..... | American. | 3 | 720 00 | 280 00 | ..... | 1000 00 | 718 00 | 282 00 | .... |
| <i>Blacksmiths—</i> | | | | | | | | | |
| Bloomington..... | American. | 2 | 600 00 | 50 00 | ..... | 650 00 | 386 00 | 264 00 | .... |
| Jacksonville..... | Scotch... | 4 | 728 00 | 500 00 | \$235 00 | 1,463 00 | 861 00 | 602 00 | .... |
| "..... | Colored... | 2 | 312 00 | 75 00 | ..... | 387 00 | 236 00 | 151 00 | .... |
| "..... | English... | 4 | 780 00 | 500 00 | ..... | 1,280 00 | 645 00 | 635 00 | .... |
| Moline..... | American. | 4 | 480 00 | 50 00 | ..... | 530 00 | 673 00 | ..... | \$143 |
| Urbana..... | "..... | 5 | 440 00 | 25 00 | ..... | 465 00 | 460 00 | 5 00 | .... |
| Averages..... | | 3.50 | \$556 66 | \$200 00 | ..... | \$795 83 | \$543 33 | ..... | .... |
| <i>Bricklayers—</i> | | | | | | | | | |
| Champaign..... | American. | 6 | 576 00 | 100 00 | ..... | 676 00 | 670 00 | 6 00 | .... |
| "..... | "..... | 3 | 648 00 | 130 00 | ..... | 778 00 | 256 00 | 522 00 | .... |
| Urbana..... | "..... | 5 | 540 00 | 18 00 | ..... | 558 00 | 1289 00 | ..... | 731 |
| Averages..... | | 4.33 | \$588 00 | \$82 66 | ..... | \$670 66 | \$738 33 | ..... | .... |
| <i>Brick-maker—</i> | | | | | | | | | |
| Pekin..... | American. | 3 | 262 00 | 45 00 | ..... | 307 00 | 235 00 | 72 00 | .... |
| <i>Burnisher—</i> | | | | | | | | | |
| Aurora..... | American. | 5 | 450 00 | *1296 00 | 365 00 | 2,111 00 | *1829 00 | 282 00 | .... |
| <i>Butcher—</i> | | | | | | | | | |
| Carlville..... | American. | 8 | 100 00 | 75 00 | 25 00 | 200 00 | 245 00 | ..... | 45 |
| <i>Cabinet-maker—</i> | | | | | | | | | |
| Chicago..... | Scand'v'n. | 4 | 375 00 | 250 00 | ..... | 625 00 | 625 00 | ..... | .... |
| <i>Car inspector—</i> | | | | | | | | | |
| East St. Louis..... | American. | 4 | 600 00 | 150 00 | ..... | 750 00 | 623 00 | 127 00 | .... |
| <i>Carpenters—</i> | | | | | | | | | |
| Galena..... | American. | 4 | 315 00 | 200 00 | ..... | 515 00 | 550 00 | ..... | 35 |
| "..... | "..... | 3 | 368 00 | 150 00 | ..... | 518 00 | 350 00 | 168 00 | .... |
| Galesburg..... | "..... | 2 | 648 00 | 100 00 | ..... | 748 00 | 768 00 | ..... | 20 |
| Moline..... | "..... | 5 | 240 00 | 25 00 | 200 00 | 465 00 | 577 00 | ..... | 112 |
| Averages..... | | 3.5 | \$392 75 | \$118 75 | ..... | \$561 50 | \$561 25 | ..... | .... |
| <i>Carriage-maker—</i> | | | | | | | | | |
| Champaign..... | American. | 4 | 261 00 | 12 00 | ..... | 276 00 | 440 00 | ..... | 164 |
| <i>Carriage-painter—</i> | | | | | | | | | |
| Chicago..... | German... | 2 | 614 00 | 36 00 | ..... | 650 00 | 600 00 | 50 00 | .... |
| <i>Cigar-makers—</i> | | | | | | | | | |
| Chicago..... | German... | 2 | 360 00 | 480 00 | ..... | 840 00 | 840 00 | ..... | .... |
| "..... | American. | 2 | 720 00 | 416 00 | ..... | 1,136 00 | 854 00 | 282 00 | .... |
| "..... | "..... | 2 | 260 00 | 252 00 | ..... | 512 00 | 381 00 | 131 00 | .... |
| "..... | German... | 8 | 240 00 | 745 00 | 200 00 | 1,185 00 | 1,185 00 | ..... | .... |
| "..... | Bohemian | 2 | 360 00 | 360 00 | ..... | 720 00 | 718 00 | 2 00 | .... |
| Averages..... | | 3.2 | \$388 00 | \$450 60 | ..... | \$878 60 | \$795 60 | ..... | .... |
| <i>Clerks—</i> | | | | | | | | | |
| East St. Louis..... | German... | 2 | 480 00 | 100 00 | ..... | 580 00 | 383 00 | 197 00 | .... |
| Sterling..... | American. | 4 | 360 00 | 40 00 | ..... | 400 00 | 376 00 | 24 00 | .... |
| Averages..... | | 3 | \$420 00 | \$70 00 | ..... | \$490 00 | \$379 50 | ..... | .... |

+ Sickness, \$493. * This income and the increased cost of living arises from keeping boarders.

Table XX.—Continued.

| OCCUPATION AND LOCATION OF FAMILY. | Nationality. | No. in family | Earnings of husband | Earnings of wife | Earnings of children | Total earnings | Cost of living | Surplus | Deficit |
|------------------------------------|--------------|---------------|---------------------|------------------|----------------------|----------------|----------------|---------|---------|
| Coal miners— | | | | | | | | | |
| Centralia | Colored | 3 | \$360 00 | \$150 00 | | \$510 00 | \$505 00 | \$5 00 | ... |
| Coal City | Italian | 3 | 395 00 | 50 00 | | 445 00 | 444 00 | 1 00 | ... |
| | | 5 | 325 00 | 156 00 | | 483 00 | 421 00 | 62 00 | ... |
| Danville | German | 4 | 400 00 | 50 00 | \$50 00 | 500 00 | 400 00 | 100 00 | ... |
| Streator | Scotch | 7 | 400 00 | 60 00 | | 460 00 | 557 00 | | \$97 |
| | Irish | 7 | 340 00 | 162 00 | | 502 00 | 641 00 | | 139 |
| Averages | | 4.83 | \$370 33 | \$104 66 | | \$483 33 | \$491 66 | | |
| Coopers— | | | | | | | | | |
| Alton | American | 5 | 321 00 | 67 00 | | 388 00 | 434 00 | | 46 |
| Sterling | | 4 | 435 00 | 50 00 | | 485 00 | 444 00 | 41 00 | ... |
| Averages | | 4.5 | \$378 00 | \$58 50 | | \$436 50 | \$439 00 | | |
| Fireman (Locomotive)— | | | | | | | | | |
| Bloomington | American | 6 | 550 00 | 50 00 | | 600 00 | 567 00 | 33 00 | ... |
| Foreman— | | | | | | | | | |
| Champaign | American | 3 | 1,000 00 | 250 00 | | 1,250 00 | 734 00 | 516 00 | ... |
| Harness-maker— | | | | | | | | | |
| Rock Island | American | 4 | 468 00 | 50 00 | | 518 00 | 450 00 | 68 00 | ... |
| Hod-carrier— | | | | | | | | | |
| Chicago | Pole | 3 | 315 00 | 120 00 | 300 00 | 735 00 | 325 00 | 410 00 | ... |
| Laborers— | | | | | | | | | |
| Alton | Canadian | 5 | 250 00 | 52 00 | | 302 00 | 331 00 | | 29 |
| | Colored | 7 | 228 00 | 50 00 | 50 00 | 328 00 | 328 00 | | ... |
| Aurora | American | 3 | 156 00 | 150 00 | | 306 00 | 311 00 | | 5 |
| | | 4 | 306 00 | 50 00 | | 446 00 | 453 00 | | 10 |
| | Scand'v'n | 2 | 180 00 | 100 00 | | 280 00 | 283 00 | | 3 |
| Bloomington | American | 3 | 350 00 | 100 00 | | 450 00 | 392 00 | 58 00 | ... |
| Centralia | Irish | 3 | 360 00 | 100 00 | | 460 00 | 444 00 | 16 00 | ... |
| | Colored | 3 | 315 00 | 144 00 | 175 00 | 634 00 | 476 00 | 158 00 | ... |
| | | 2 | 210 00 | 125 00 | | 335 00 | 311 00 | 24 00 | ... |
| | | 3 | 210 00 | 100 00 | | 340 00 | 335 00 | 5 00 | ... |
| | | 3 | 375 00 | 144 00 | 96 00 | 615 00 | 424 00 | 191 00 | ... |
| | | 2 | 300 00 | 144 00 | | 444 00 | 393 00 | 51 00 | ... |
| Champaign | French | 3 | 390 00 | 125 00 | | 515 00 | 369 00 | 146 00 | ... |
| | American | 6 | 270 00 | 25 00 | | 295 00 | 273 00 | 22 00 | ... |
| | Colored | 3 | 180 00 | 25 00 | | 205 00 | 261 00 | | 56 |
| Chicago | Italian | 3 | 330 00 | 120 00 | | 450 00 | 454 00 | | 4 |
| | Colored | 9 | 315 00 | 152 00 | 85 00 | 552 00 | 552 00 | | ... |
| | American | 3 | 360 00 | 50 00 | | 410 00 | 410 00 | | ... |
| | German | 5 | 300 00 | 150 00 | | 450 00 | 479 00 | | 29 |
| | French | 6 | 375 00 | 100 00 | | 475 00 | 445 00 | 30 00 | ... |
| | German | 5 | 312 00 | 150 00 | | 462 00 | 434 00 | 28 00 | ... |
| Danville | Scotch | 2 | 90 00 | 200 00 | | 290 00 | 260 00 | 30 00 | ... |
| | American | 3 | 135 00 | 155 00 | | 290 00 | 299 00 | | 9 |
| | | 8 | 187 00 | 150 00 | | 337 00 | 388 00 | | 51 |
| | | 2 | 225 00 | 100 00 | | 325 00 | 298 00 | 27 00 | ... |
| East St. Louis | Irish | 3 | 510 00 | 180 00 | 50 00 | 740 00 | 741 00 | 29 00 | ... |
| | American | 9 | 360 00 | 156 00 | 84 00 | 600 00 | 515 00 | 85 00 | ... |
| Equality | | 4 | 225 00 | 45 00 | | 270 00 | 338 00 | | 68 |
| | | 3 | 162 00 | 45 00 | | 207 00 | 194 00 | 13 00 | ... |
| Freeport | Irish | 6 | 432 00 | 50 00 | | 482 00 | 482 00 | | ... |
| | | 2 | 324 00 | 50 00 | | 374 00 | 323 00 | 51 00 | ... |
| Galena | American | 7 | 468 00 | 250 00 | | 718 00 | 590 00 | 128 00 | ... |
| Gardner | English | 6 | 225 00 | 25 00 | 112 00 | 362 00 | 362 00 | | ... |
| Fulton | Irish | 7 | 270 00 | 50 00 | 90 00 | 410 00 | 450 00 | | 20 |
| Galesburg | Colored | 4 | 150 00 | 125 00 | | 275 00 | 280 00 | | 5 |
| Joliet | | 5 | 378 00 | 200 00 | 8 00 | 586 00 | 517 00 | 49 00 | ... |
| Moline | Scand'v'n | 5 | 300 00 | 35 00 | | 335 00 | 455 00 | | 120 |
| | Colored | 2 | 240 00 | 10 00 | | 250 00 | 127 00 | 123 00 | ... |
| | | 4 | 180 00 | 50 00 | | 230 00 | 214 00 | 16 00 | ... |
| | | 2 | 320 00 | 50 00 | | 370 00 | 211 00 | 159 00 | ... |
| Pontiac | American | 2 | 380 00 | 160 00 | | 540 00 | 264 00 | 276 00 | ... |
| Rock Island | | 5 | 225 00 | 50 00 | | 275 00 | 366 00 | | 91 |
| Springfield | Irish | 8 | 288 00 | 96 00 | 60 00 | 444 00 | 588 00 | | 144 |
| Sterling | German | 6 | 270 00 | 75 00 | | 345 00 | 338 00 | 7 00 | ... |
| Averages | | 4.34 | \$281 90 | \$101 43 | \$19 09 | \$405 43 | \$377 50 | | |

Table XX.—Continued.

| OCCUPATION AND LOCATION OF FAMILY. | Nationality.. | No. in family | Earnings of husband... | Earnings of wife..... | Earnings of children... | Total earnings..... | Cost of living..... | Surplus..... | Deficit..... |
|------------------------------------|---------------|---------------|------------------------|-----------------------|-------------------------|---------------------|---------------------|--------------|--------------|
| Machinists— | | | | | | | | | |
| Danville | American.. | 4 | \$400 00 | \$50 00 | ..... | \$450 00 | \$360 00 | 190 00 | .... |
| Springfield..... | German...7 | | 678 00 | 120 00 | ..... | 798 00 | 598 00 | 200 00 | .... |
| Averages | | 5.5 | \$539 00 | \$85 00 | ..... | \$624 00 | \$429 00 | ..... | .... |
| Miller— | | | | | | | | | |
| East St. Louis | American.. | 3 | 960 00 | 240 00 | ..... | 1,200 00 | 787 00 | 413 00 | .... |
| Moulders— | | | | | | | | | |
| Chicago | American.. | 4 | 690 00 | 10 00 | ..... | 640 00 | 793 00 | ..... | \$153 |
| ..... | ..... | 4 | 811 00 | 10 00 | ..... | 821 00 | 829 00 | ..... | 8 |
| Averages | | 4 | \$720 50 | \$10 00 | ..... | \$730 50 | \$811 00 | ..... | .... |
| Painters— | | | | | | | | | |
| Aurora..... | American.. | 3 | 525 00 | 75 00 | ..... | 600 00 | 542 00 | 58 00 | .... |
| Chicago..... | English...3 | | 900 00 | 80 00 | ..... | 980 00 | 1,066 00 | ..... | \$86 |
| Galeua..... | American.. | 3 | 273 00 | 200 00 | ..... | 473 00 | 400 00 | 73 00 | .... |
| Moline..... | ..... | 5 | 520 00 | 50 00 | ..... | 570 00 | 457 00 | 113 00 | .... |
| Averages | | 3.5 | \$554 50 | \$101 25 | ..... | \$655 75 | \$616 25 | ..... | .... |
| Paper carrier— | | | | | | | | | |
| Chicago | American.. | 2 | 364 00 | 125 00 | ..... | 489 00 | 427 00 | 62 00 | .... |
| Paper hanger— | | | | | | | | | |
| Champaign..... | American.. | 10 | 234 00 | 50 00 | \$156 00 | 440 00 | 621 00 | ..... | \$181 |
| Plasterer— | | | | | | | | | |
| Joliet..... | American.. | 4 | 482 00 | 50 00 | 10 00 | 492 00 | 500 00 | ..... | 8 |
| Printer— | | | | | | | | | |
| Chicago | American.. | 6 | 720 00 | 50 00 | ..... | 770 00 | 745 00 | 25 00 | .... |
| Puddler— | | | | | | | | | |
| Chicago | Irish.....6 | | 520 00 | 640 00 | ..... | 1,160 00 | 1,163 00 | ..... | 3 |
| Quarryman— | | | | | | | | | |
| Joliet..... | Scandi'n..... | 8 | 315 00 | 75 00 | 75 00 | 465 00 | 579 00 | ..... | 114 |
| Shoemaker— | | | | | | | | | |
| Joliet..... | German...6 |  | ..... | 300 00 | ..... | 300 00 | 324 00 | ..... | 24 |
| Stone mason— | | | | | | | | | |
| Moline..... | German...5 | | 535 00 | 40 00 | ..... | 575 00 | 483 00 | 93 00 | .... |
| Stone cutter— | | | | | | | | | |
| Alton..... | American.. | 2 | 350 00 | 25 00 | ..... | 375 00 | *269 00 | 106 00 | .... |
| Street-car driver— | | | | | | | | | |
| Chicago | Irish.....10 | | 895 00 | 55 00 | ..... | 950 00 | 950 00 | ..... | .... |
| Tailors— | | | | | | | | | |
| Champaign..... | Irish.....7 | | 624 00 | 480 00 | 200 00 | 1,304 00 | 854 00 | 450 00 | .... |
| Moline..... | Scandi'n..... | 4 | 292 00 | 65 00 | ..... | 357 00 | 352 00 | 5 00 | .... |
| Pontiac..... | English...9 | | 600 00 | 450 00 | ..... | 1,050 00 | 680 00 | 370 00 | .... |
| Averages | | 6.66 | \$505 33 | \$331 66 | ..... | \$903 66 | \$628 66 | ..... | .... |
| Watchmen— | | | | | | | | | |
| Chicago..... | American.. | 5 | 520 00 | 450 00 | ..... | 970 00 | 786 00 | 184 00 | .... |
| Joliet..... | Irish.....8 | | 516 00 | 300 00 | 75 00 | 921 00 | 730 00 | 191 00 | .... |
| Averages | | 6.5 | \$533 00 | \$375 00 | ..... | \$945 50 | \$758 00 | 186 50 | .... |
| Wipers (locomotive)— | | | | | | | | | |
| East St. Louis..... | German...6 | | 360 00 | 180 00 | ..... | 540 00 | 443 00 | 97 00 | .... |
| ..... | Irish.....9 | | 300 00 | 12 00 | 40 00 | 352 00 | 374 00 | ..... | \$22 |
| Totals.....111 families | | 494 | \$44,375 | \$16,420 | \$2,771 | \$63,566 | \$56,752 | \$9,580 | 2775 |
| Averages | | 4.45 | \$399 73 | \$147 93 | \$115 40 | \$572 62 | \$511 28 | ..... | ..... |
| Average surplus, 68 families | | | | | | | | 141 01 | ..... |
| Average deficit, 34 families. | | | | | | | | | \$81 |

We glean from this classification, that of the whole 163 occupations of which we have record, there are only 37 in which any wife labor is reported. The families in which wives are at work number 111 out of 2,129,—or only 5 per cent. of the whole. Of these 111 wives who are earning wages, there are 24 who have no children, 20 who have one child each, 20 who have two children each, and 47 who have more than two children each—12 of these having from six to eight. In 21 of these families more or less assistance is also rendered by children,—the average earnings of the children in these cases being \$115.46 per family. In each case (save one—shoemaker, out of work during the whole year,) the husband and father is at work, and reports actual earnings. The average for the husbands' earnings is \$399.73, as against a general average for husbands of \$525.27.

The contribution of the wife to the family income, as shown in the foregoing cases, is an average of \$147.93, which, added to that of the husband, \$399.73, brings the combined earnings up to \$547.66, but little more than the general average for unassisted husbands. A comparison as to the cost of living shows that for 2,129 families the average expenditure was \$507.66, while for this small group assisted by the wife, the average is \$511.28.

An exceptional case in this table should be noted for its influence upon the averages—that of a wife who derives \$1,296 per annum from keeping boarders, which, with \$811 contributed by the father and son, enable her to pay out \$1,829 for the maintenance of the establishment, and have \$282 left. Eliminating this family from the computation, and the average earnings of wives becomes reduced to \$137.45. This we find constitutes 25 per cent. of the combined earnings of these families.

In 19 of the 111 families, the earnings of the father alone equal the amount expended by the family, and the earnings of the wife go to the savings fund; but in the remaining 92 families, or 83 per cent. of the whole, the wages of the wife are essential to the family support. In 34 instances even this does not suffice, as that number in the table show a deficiency averaging \$81.62 per family at the end of the year. The greater number of families, however, in which wife labor contributes to the family income, show a net surplus in earnings over expenses, which in 68 families averages \$141.01 per family.

A further examination of this table enables us to deduce the following trade classification of the working wives, showing both the occupations and the average earnings of their respective husbands:

| GENERAL CLASSES. | Whole No. of families. | No. of occu- pation. | No. of wives at work. | EARNINGS OF— | | | | Cost of living. |
|----------------------------|------------------------|-------------------------|--------------------------|----------------|----------|----------------|-----------------|-----------------------|
| | | | | Hus- bands. | Wives | Child- ren. | Whole family | |
| Building trades | 287 | 8 | 16 | \$414 15 | \$75 95 | \$64 50 | \$554 60 | \$509 89 |
| Shop trades | 458 | 11 | 19 | 373 99 | 155 83 | 11 97 | 541 19 | 497 84 |
| Metal workers | 243 | 5 | 12 | 557 23 | 243 50 | | 800 72 | 752 30 |
| Railroad employes | 149 | 4 | 5 | 550 00 | 144 00 | 16 00 | 704 00 | 579 12 |
| Coal-mine employes | 290 | 1 | 6 | 370 33 | 104 66 | | 483 33 | 494 66 |
| Out-door occupations | 500 | 5 | 49 | 478 35 | 145 28 | 25 32 | 650 96 | 618 29 |
| In-door occupations | 196 | 2 | 3 | 690 00 | 155 00 | | 845 00 | 583 25 |
| Foremen | 15 | 1 | 1 | 1,000 00 | 250 00 | | 1,250 00 | 734 00 |
| | 2,129 | 37 | 111 | \$399 73 | \$147 93 | \$24 96 | \$572 62 | \$511 28 |

From this it appears that 44 per cent. of the whole are wives of men engaged in the out-door and unskilled occupations; that 17 per cent. are wives of men in the shop trades, and 14 per cent. in building trades. It will be observed, in regard to these two latter, that the earnings of the heads of the families are smaller even than the average for the unskilled class, indicating that the families receiving this assistance in the skilled trades are those of the least skilled workers, and those who require other earnings than their own for the support of their family.

In the matter of nationality it is found that 5+ per cent. of American families are partially supported by the earnings of the wife, and 4+ per cent. of the families of foreigners; while nearly all the negro families, or 72+ per cent., are so assisted.

One-fifth of all the wives earning wages are in Chicago, and the remainder are distributed among twenty-five other localities in the State.

The earnings of children constitute the next consideration in connection with the revenues of the family, and we present the tabulated results of our enquiries in such manner as to show not only the amount of their earnings, and the degree of dependence of the family upon them, but more especially the ages of the children employed, so as to be able to distinguish between that which is child labor proper, and that which should be considered adult labor, although the sons or daughters may be under the parental roof and jurisdiction.

We find in all 5,492 so-called children recorded in our returns from the working people of the State. In regard to these we are informed as to their age and sex, and whether they are at work, at school, or at home, and the amount of the earnings of those at work. This affords abundant data for a very full investigation into the status of the child in the workingman's family; the extent to which labor is imposed upon him at a tender age in order that the family may live, and the amount of pecuniary aid he contributes to that object. We have shown that there are 421 families in which the children are rendering some assistance towards the family support. In these families there are 569 children, of ages varying from 10 to 30 years, at work in the interest of the general fund. The following table affords a detailed record of each of these, classified according to the occupation of the head of the family, showing the location and nationality of the parents, and the age, sex and earnings of the children:

TABLE XXI.—*Children at work, their number, nationality, age, sex and earnings.*

| OCCUPATION AND LOCATION OF FAMILY. | NATION-ALITY. | Size of family | Earnings of parents. | | EARNINGS OF CHILDREN. | | | | | | Earnings of whole family | Expenses of family..... |
|------------------------------------|---------------|----------------|----------------------|------|-----------------------|------|-------|--------|--------------|-------|--------------------------|-------------------------|
| | | | No. | Sex. | Age. | Sex. | Age. | Amount | Whole amount | | | |
| Bakers— | | | | | | | | | | | | |
| Chicago..... | Scand'v'n. | 7 | \$375 | 2 | M | 15 | \$48 | F | 18 | \$150 | \$198 | \$573 |
| "..... | Dane. | 4 | 375 | 1 | M | 18 | 300 | | | | 300 | 675 |
| "..... | German. | 5 | 450 | 1 | M | 16 | 150 | | | | 150 | 600 |
| Galesburg..... | Scand'v'n. | 4 | 425 | 1 | M | 14 | 120 | | | | 120 | 545 |
| Averages..... | 4 | 5 | \$406 | 5 | 4 | 15.7 | \$154 | 1 | 18 | \$150 | \$153 | \$598 |
| Barber— | | | | | | | | | | | | |
| Pontiac..... | American. | 10 | 420 | 1 | M | 18 | 200 | | | | 200 | 620 |
| Boiler-makers— | | | | | | | | | | | | |
| Aurora..... | Scotch. | 6 | 780 | 1 | M | 16 | 120 | | | | 120 | 900 |
| East St. Louis..... | " | 10 | 876 | 2 | M | 18 | 180 | F | 24 | 360 | 540 | 1,416 |
| Urbana..... | Irish. | 8 | 450 | 2 | M | 18 | 240 | M | 17 | 416 | 656 | 1,136 |
| Averages..... | 3 | 8 | \$712 | 5 | 4 | 17.2 | \$239 | 1 | 24 | \$360 | \$263 | \$1,150 |
| Book-binder— | | | | | | | | | | | | |
| Champaign..... | American. | 8 | 936 | 2 | M | 18 | 50 | M | 16 | 50 | 100 | 1,036 |
| Averages..... | | | | | 2 | 17 | \$50 | | | | \$50 | |
| Blacksmiths— | | | | | | | | | | | | |
| Bloomington..... | American. | 4 | 600 | 2 | M | 20 | 250 | M | 17 | 250 | 500 | 1,100 |
| Carlville..... | " | 9 | 1000 | 2 | M | 26 | 300 | M | 19 | 300 | 600 | 1,600 |
| Champaign..... | " | 5 | 600 | 2 | M | 18 | 150 | M | 15 | 50 | 200 | 800 |
| Chicago..... | " | 9 | 900 | 1 | M | 21 | 621 | | | | 621 | 1,521 |
| Galena..... | German. | 6 | 468 | 1 | M | 18 | 120 | | | | 120 | 588 |
| Galesburg..... | " | 10 | 300 | 1 | M | 15 | 100 | F | 18 | 48 | 48 | 428 |
| "..... | American. | 3 | 624 | 1 | M | 15 | 100 | | | | 100 | 724 |
| Jacksonville..... | Scotch. | 4 | 128 | 1 | M | 20 | 235 | | | | 235 | 1,463 |
| Sterling..... | German. | 7 | 525 | 1 | M | 18 | 100 | | | | 100 | 625 |
| Urbana..... | American. | 5 | 300 | 2 | M | 18 | 158 | M | 17 | 40 | 192 | 588 |
| "..... | German. | 3 | 300 | 1 | M | 18 | 108 | | | | 108 | 408 |
| Averages..... | 11 | 5.90 | \$607 | 15 | 14 | 18.5 | \$199 | 1 | 18 | \$48 | \$189 | \$895 |

Table XXI.—Continued.

| OCCUPATION AND LOCATION OF FAMILY. | NATIONALITY. | Size of family.... | EARNINGS OF CHILDREN. | | | | | | | | | | Earnings of whole family | Expenses of family..... |
|--|--------------|--------------------|--------------------------|---------|----------|----------|--------|----------|----------|--------|--------------|---------|--------------------------|-------------------------|
| | | | Earnings of parents..... | No..... | Sex..... | Age..... | Amount | Sex..... | Age..... | Amount | Whole amount | | | |
| <i>Book-keeper—</i> Springfield | American. | 5 | \$900 | 2 | F | 18 | \$375 | F | 16 | \$150 | \$525 | \$1,425 | \$930 | |
| Averages | | | | | | | | 2 | 17 | \$262 | | | | |
| <i>Bricklayers—</i> Aurora | Irish | 5 | 468 | 1 | M | 17 | 300 | | | | 300 | 768 | 660 | |
| Chicago | American. | 7 | 500 | 2 | M | 20 | 720 | F | 18 | 200 | 920 | 1,420 | 1,135 | |
| DuQuoin | English .. | 7 | 650 | 1 | M | 14 | 90 | | | | 90 | 740 | 577 | |
| Freeport | American. | 11 | 546 | 2 | M | 18 | 150 | M | 16 | 140 | 290 | 836 | 795 | |
| Mattoon | " | 5 | 420 | 1 | M | 20 | 420 | | | | 420 | 840 | 554 | |
| Peoria | " | 4 | 672 | 1 | M | 20 | 364 | | | | 364 | 1,036 | 572 | |
| Sterling | Irish | 6 | 525 | 1 | M | 17 | 200 | | | | 200 | 725 | 506 | |
| Averages | 7 | 6.42 | \$541 | 9 | 8 | 17.7 | \$398 | 1 | 18 | \$200 | \$287 | \$909 | \$685 | |
| <i>Brick-makers—</i> Alton | English .. | 6 | 444 | 1 | M | 13 | 111 | | | | 111 | 555 | 510 | |
| Freeport | American. | 6 | 285 | 2 | M | 14 | 60 | M | 12 | 20 | 80 | 368 | 403 | |
| Averages | 2 | 6 | \$366 | 3 | 3 | 16 | 64 | | | | \$95 | \$461 | \$456 | |
| <i>Bridge-builder—</i> Elgin | Scan | 5 | 780 | 2 | F | 18 | 200 | F | 16 | 200 | 400 | 1,180 | 830 | |
| Averages | | | | | | | | 2 | 17 | \$200 | | | | |
| <i>Bridge-tender—</i> Peoria | Irish | 6 | 540 | 1 | M | 20 | 480 | | | | 480 | 1,020 | 485 | |
| <i>Burnisher—</i> Aurora | American. | 5 | 1746 | 1 | M | 17 | 365 | | | | 365 | 2,111 | 1,829 | |
| <i>Butchers—</i> Carlinville | American | 8 | 175 | 1 | M | 16 | 25 | | | | 25 | 200 | 196 | |
| Galena | German .. | 3 | 192 | 1 | M | 15 | 156 | | | | 156 | 348 | 260 | |
| Galesburg | Scan | 4 | 600 | 1 | M | 13 | 96 | | | | 96 | 696 | 525 | |
| Peoria | German .. | 5 | 450 | 1 | M | 20 | 360 | | | | 360 | 810 | 360 | |
| Pontiac | Scan | 11 | 432 | 2 | M | 18 | 240 | M | 16 | 225 | 465 | 897 | 738 | |
| Averages | 5 | 6.2 | \$369 | 6 | 6 | 16.3 | \$183 | | | | \$183 | \$590 | \$415 | |
| <i>Cabinet-makers—</i> Chicago | German .. | 3 | 420 | 1 | M | 25 | | F | 18 | 125 | 125 | 545 | 441 | |
| Galena | " | 3 | 264 | 1 | M | 25 | 150 | | | | 150 | 414 | 370 | |
| " | " | 6 | 390 | 1 | M | 24 | 324 | | | | 324 | 624 | 500 | |
| " | Irish | 5 | 156 | 2 | M | 26 | 100 | M | 21 | 75 | 175 | 331 | 331 | |
| Sterling | Scan | 8 | 480 | 1 | M | 20 | | F | 16 | 20 | 20 | 500 | 450 | |
| Averages | 5 | 5 | \$324 | 6 | 4 | 24 | \$163 | 2 | 16 | \$72 | \$132 | \$482 | \$418 | |
| <i>Cager—</i> Streator | American. | 6 | 755 | 2 | M | 17 | 200 | M | 15 | 160 | 360 | 1,115 | 868 | |
| Averages | | | | | | 2 | 16 | \$180 | | | | | | |
| <i>Car-builder—</i> Chicago | American. | 8 | 410 | 1 | M | 16 | 40 | | | | 40 | 450 | 498 | |
| <i>Car-repairer—</i> Peoria | Irish | 5 | 436 | 2 | M | 22 | 468 | F | 16 | 78 | 546 | 982 | 466 | |
| <i>Carpenters—</i> Alton | English .. | 10 | 825 | 1 | M | 17 | 50 | | | | 50 | 875 | 790 | |
| " | " | 7 | 333 | 2 | F | 18 | 50 | F | 14 | 30 | 80 | 413 | 373 | |
| " | German .. | 5 | 350 | 1 | M | 15 | 75 | | | | 75 | 425 | 541 | |
| " | English .. | 4 | 780 | 1 | M | 19 | 280 | | | | 180 | 1,000 | 1,070 | |
| Aurora | American. | 8 | 648 | 1 | M | 20 | 281 | | | | 281 | 929 | 920 | |
| " | " | 7 | 655 | 1 | M | 16 | 200 | | | | 200 | 855 | 704 | |
| " | " | 3 | 704 | 1 | M | 16 | 187 | | | | 187 | 891 | 625 | |
| Champaign | " | 7 | 550 | 2 | M | 17 | 100 | F | 24 | 50 | 150 | 700 | 800 | |

Table XXI.—Continued.

| OCCUPATION AND LOCATION OF FAMILY. | NATIONALITY. | Size of family. | Earnings of parents. | EARNINGS OF CHILDREN. | | | | | | | | Earnings of whole family. | Expenses of family. |
|------------------------------------|--------------|-----------------|----------------------|-----------------------|-------|-------|---------|-------|-------|---------|---------------|---------------------------|---------------------|
| | | | | No. | Sex. | Age. | Amount. | Sex. | Age. | Amount. | Whole amount. | | |
| <i>Carpenters—Continued.</i> | | | | | | | | | | | | | |
| Champaign..... | American. | 6 | \$630 | 1 | M | 16 | ..... | F | 20 | \$240 | \$240 | \$870 | \$658 |
| ..... | ..... | 3 | 432 | 1 | M | 16 | ..... | ..... | ..... | ..... | 156 | 588 | 455 |
| ..... | German .. | 8 | 624 | 2 | M | 19 | 100 | M | 15 | 50 | 150 | 774 | 745 |
| Chicago..... | Irish..... | 11 | 410 | 1 | M | 20 | 300 | ..... | ..... | ..... | 300 | 740 | 774 |
| ..... | German .. | 7 | 500 | 1 | M | 15 | 100 | ..... | ..... | ..... | 100 | 600 | 980 |
| Danville..... | American. | 3 | 472 | 1 | M | 16 | 50 | ..... | ..... | ..... | 50 | 522 | 454 |
| ..... | ..... | 4 | 500 | 1 | ..... | ..... | ..... | F | 24 | 200 | 200 | 700 | 304 |
| ..... | ..... | 3 | 480 | 1 | M | 18 | 240 | ..... | ..... | ..... | 240 | 720 | 236 |
| DuQuoin..... | ..... | 6 | 600 | 1 | M | 18 | 150 | ..... | ..... | ..... | 150 | 750 | 656 |
| East St. Louis..... | English... | 6 | 528 | 2 | M | 13 | 63 | M | 11 | 63 | 126 | 654 | 480 |
| Fulton..... | American. | 5 | 465 | 1 | M | 25 | 240 | ..... | ..... | ..... | 240 | 705 | 702 |
| Galena..... | Scotch..... | 3 | 368 | 1 | M | 26 | 368 | ..... | ..... | ..... | 368 | 736 | 475 |
| ..... | American. | 6 | 552 | 1 | M | 23 | 250 | ..... | ..... | ..... | 250 | 802 | 500 |
| Galesburg..... | ..... | 5 | 600 | 1 | ..... | ..... | ..... | F | 15 | 130 | 130 | 730 | 687 |
| Mattoon..... | ..... | 3 | 576 | 2 | M | 20 | 200 | M | 18 | 150 | 350 | 926 | 411 |
| ..... | ..... | 7 | 522 | 2 | M | 21 | 480 | M | 18 | 480 | 960 | 1,482 | 730 |
| Moline..... | ..... | 6 | 650 | 2 | M | 19 | 150 | F | 17 | 40 | 190 | 840 | 841 |
| ..... | ..... | 5 | 265 | 1 | M | 16 | 200 | ..... | ..... | ..... | 200 | 465 | 577 |
| ..... | ..... | 3 | 440 | 1 | M | 20 | 140 | ..... | ..... | ..... | 140 | 580 | 512 |
| Peoria..... | ..... | 6 | 540 | 1 | M | 16 | 100 | ..... | ..... | ..... | 100 | 640 | 461 |
| ..... | ..... | 6 | 480 | 1 | M | 16 | 96 | ..... | ..... | ..... | 96 | 576 | 499 |
| ..... | ..... | 4 | 360 | 1 | ..... | ..... | ..... | F | 16 | 150 | 150 | 510 | 490 |
| ..... | German .. | 6 | 540 | 1 | M | 20 | 480 | ..... | ..... | ..... | 480 | 1,020 | 520 |
| ..... | American. | 4 | 378 | 2 | M | 20 | 416 | M | 18 | 312 | 728 | 1,106 | 839 |
| Springfield..... | English... | 3 | 486 | 1 | ..... | ..... | ..... | F | 26 | 150 | 150 | 636 | 428 |
| Sterling..... | American. | 7 | 192 | 2 | M | 16 | 50 | M | 15 | 15 | 65 | 257 | 437 |
| Averages..... | 34 | 5.64 | \$513 | 43 | 34 | 16.9 | \$196 | 9 | 17.3 | \$105 | \$177 | \$737 | \$608 |
| <i>Carriage makers--</i> | | | | | | | | | | | | | |
| Champaign..... | American. | 7 | 624 | 2 | M | 21 | 180 | M | 19 | 300 | 480 | 1,104 | 895 |
| Jacksonville..... | English... | 9 | 780 | 1 | M | 17 | 250 | ..... | ..... | ..... | 250 | 1,030 | 697 |
| Averages..... | 2 | 8 | \$702 | 3 | 3 | 19 | \$243 | ..... | ..... | ..... | \$243 | \$1,067 | \$796 |
| <i>Carriage painter--</i> | | | | | | | | | | | | | |
| Galena..... | English... | 4 | 372 | 2 | M | 30 | 372 | M | 26 | 372 | 744 | 1,116 | 700 |
| Averages..... | ..... | ..... | ..... | 2 | 22 | 372 | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| <i>Cigar-makers--</i> | | | | | | | | | | | | | |
| Chicago..... | German .. | 8 | 450 | 2 | M | 20 | 300 | M | 18 | 200 | 500 | 950 | 1,086 |
| ..... | American. | 4 | 315 | 1 | M | 18 | 200 | ..... | ..... | ..... | 200 | 545 | 541 |
| ..... | ..... | 5 | 450 | 2 | F | 21 | 350 | F | 17 | 200 | 650 | 1,100 | 1,046 |
| ..... | ..... | 7 | 500 | 2 | M | 21 | 250 | M | 18 | 200 | 450 | 950 | 967 |
| ..... | German .. | 8 | 985 | 2 | M | 16 | 150 | M | 15 | 50 | 200 | 1,185 | 1,185 |
| ..... | Bohemian .. | 7 | 480 | 2 | M | 20 | 750 | M | 18 | 600 | 1,350 | 1,830 | 1,291 |
| ..... | English... | 12 | 360 | 1 | M | 20 | 300 | ..... | ..... | ..... | 300 | 660 | 948 |
| ..... | German .. | 7 | 270 | 2 | M | 14 | 48 | F | 17 | 240 | 288 | 558 | 697 |
| ..... | ..... | 6 | 450 | 1 | M | 15 | 300 | ..... | ..... | ..... | 300 | 750 | 484 |
| Danville..... | ..... | 6 | 450 | 1 | M | 14 | 120 | ..... | ..... | ..... | 120 | 570 | 570 |
| Quincy..... | American. | 5 | 500 | 1 | M | 15 | 100 | ..... | ..... | ..... | 100 | 600 | 396 |
| Averages..... | 11 | 6.81 | \$476 | 17 | 14 | 17.3 | \$255 | 3 | 18.3 | \$296 | \$262 | \$881 | \$837 |
| <i>Cigar packers--</i> | | | | | | | | | | | | | |
| Chicago..... | German .. | 6 | 420 | 1 | M | 14 | 50 | ..... | ..... | ..... | 50 | 470 | 620 |
| ..... | American. | 6 | 600 | 1 | M | 19 | 200 | ..... | ..... | ..... | 200 | 800 | 800 |
| Averages..... | 2 | 6 | \$510 | 2 | 2 | 16.5 | \$125 | ..... | ..... | ..... | \$125 | \$635 | \$710 |
| <i>Clerks--</i> | | | | | | | | | | | | | |
| Centralia..... | American. | 5 | 504 | 2 | M | 16 | 250 | F | 18 | 144 | 394 | 958 | 759 |
| Moline..... | ..... | 6 | 600 | 2 | M | 15 | 136 | F | 17 | 200 | 336 | 936 | 742 |
| Peoria..... | German .. | 9 | 520 | 2 | M | 25 | 468 | M | 21 | 312 | 780 | 1,300 | 826 |
| ..... | English... | 4 | 600 | 1 | M | 21 | 480 | ..... | ..... | ..... | 480 | 1,080 | 690 |
| Averages..... | 4 | 6 | \$571 | 7 | 5 | 19.8 | \$328 | 2 | 17.5 | \$172 | \$284 | \$1,068 | \$754 |
| <i>Coal miners--</i> | | | | | | | | | | | | | |
| Anna..... | Welsh..... | 3 | 210 | 1 | M | 20 | 210 | ..... | ..... | ..... | 210 | 420 | 349 |
| ..... | English... | 8 | 210 | 2 | M | 20 | 150 | M | 18 | 150 | 300 | 510 | 471 |
| ..... | ..... | 4 | 210 | 1 | M | 22 | 210 | ..... | ..... | ..... | 210 | 420 | 410 |
| ..... | ..... | 3 | 180 | 1 | M | 21 | 180 | ..... | ..... | ..... | 180 | 360 | 337 |

Table XXI.—Continued.

| OCCUPATION AND LOCATION OF FAMILY. | NATIONALITY. | Size of family. | Earnings of parents. | EARNINGS OF CHILDREN. | | | | | | Whole amount. | Earnings of whole family. | Expenses of family. | |
|------------------------------------|---------------|-----------------|----------------------|-----------------------|------|------|---------|------|------|---------------|---------------------------|---------------------|---------|
| | | | | No. | Sex. | Age. | Amount. | Sex. | Age. | | | | Amount. |
| Coal Miners—Continued. | | | | | | | | | | | | | |
| Anna..... | English..... | 4 | \$175 | 1 | M | 19 | \$175 | | | \$175 | \$350 | \$373 | |
| Alton..... | Scotch..... | 10 | 312 | 4 | M | 16 | 112 | F | 18 | \$85 | 497 | 809 | |
| ..... | ..... | 6 | 400 | 1 | M | 16 | 200 | F | 20 | 100 | 200 | 600 | |
| Bartonville..... | Irish..... | 8 | 336 | 2 | M | 19 | 120 | M | 16 | 120 | 240 | 576 | |
| ..... | ..... | 4 | 316 | 1 | M | 16 | 150 | | | | 150 | 486 | |
| ..... | English..... | 8 | 336 | 2 | M | 20 | 150 | M | 17 | 150 | 300 | 636 | |
| ..... | ..... | 8 | 336 | 1 | M | 17 | 180 | | | | 180 | 516 | |
| ..... | ..... | 8 | 450 | 1 | M | 14 | 125 | | | | 125 | 575 | |
| Belleville..... | Scotch..... | 3 | 210 | 1 | M | 15 | 100 | | | | 100 | 310 | |
| ..... | English..... | 8 | 250 | 2 | M | 19 | 250 | M | 17 | 120 | 370 | 620 | |
| ..... | American..... | 5 | 250 | 1 | M | 19 | 250 | | | | 250 | 500 | |
| Bloomington..... | English..... | 7 | 391 | 3 | M | 18 | 150 | M | 20 | 200 | 450 | 841 | |
| ..... | ..... | 6 | 480 | 1 | M | 17 | 300 | | | | 300 | 780 | |
| Carlville..... | ..... | 8 | 525 | 1 | M | 17 | | F | 20 | 30 | 30 | 555 | |
| Caseyville..... | Scotch..... | 9 | 405 | 1 | M | 17 | 300 | | | | 300 | 705 | |
| ..... | Irish..... | 8 | 270 | 1 | M | 18 | 135 | | | | 135 | 405 | |
| Centralia..... | Colored..... | 3 | 350 | 1 | M | 15 | 120 | | | | 120 | 470 | |
| Coal City..... | Scotch..... | 5 | 240 | 2 | M | 22 | 216 | M | 17 | 350 | 566 | 806 | |
| ..... | ..... | 8 | 360 | 1 | M | 14 | 200 | | | | 200 | 560 | |
| ..... | ..... | 7 | 256 | 1 | M | 15 | 200 | | | | 200 | 456 | |
| Collinsville..... | English..... | 5 | 150 | 2 | M | 17 | 75 | M | 15 | 75 | 150 | 300 | |
| ..... | ..... | 5 | 150 | 1 | M | 17 | 75 | | | | 75 | 225 | |
| ..... | ..... | 8 | 150 | 1 | M | 15 | 100 | | | | 100 | 250 | |
| ..... | American..... | 5 | 315 | 1 | M | 19 | 315 | | | | 315 | 630 | |
| Danville..... | Scotch..... | 5 | 315 | 1 | M | 16 | 180 | | | | 180 | 495 | |
| ..... | ..... | 5 | 315 | 2 | M | 16 | 157 | M | 14 | 158 | 315 | 630 | |
| ..... | Irish..... | 10 | 472 | 2 | M | 18 | 270 | M | 16 | 54 | 324 | 796 | |
| ..... | American..... | 4 | 432 | 1 | M | 15 | 240 | | | | 240 | 672 | |
| ..... | ..... | 8 | 405 | 1 | M | 17 | 300 | | | | 300 | 705 | |
| ..... | German..... | 4 | 450 | 1 | M | 15 | 50 | | | | 50 | 500 | |
| ..... | English..... | 7 | 360 | 2 | M | 17 | 180 | M | 15 | 180 | 360 | 720 | |
| ..... | American..... | 11 | 450 | 2 | M | 19 | 300 | M | 17 | 300 | 1,050 | 726 | |
| ..... | ..... | 8 | 420 | 1 | M | | | F | 17 | 120 | 120 | 540 | |
| ..... | Irish..... | 5 | | 3 | M | 21 | 300 | F | 30 | 100 | 760 | 760 | |
| ..... | German..... | 6 | 420 | 1 | M | 15 | 120 | | | | 120 | 540 | |
| DuQuoin..... | English..... | 8 | 329 | 1 | M | 18 | 310 | | | | 310 | 639 | |
| Equality..... | Irish..... | 9 | 500 | 1 | M | 17 | 179 | | | | 179 | 679 | |
| ..... | American..... | 3 | 351 | 1 | M | 22 | 351 | | | | 351 | 708 | |
| Gardner..... | Irish..... | 5 | 270 | 1 | M | 16 | 35 | | | | 35 | 305 | |
| ..... | English..... | 7 | 268 | 1 | M | 19 | 450 | | | | 450 | 718 | |
| ..... | ..... | 7 | 312 | 2 | M | 20 | 420 | M | 17 | 420 | 840 | 1,152 | |
| Pekin..... | Welsh..... | 6 | 420 | 1 | M | | | F | 15 | 40 | 40 | 460 | |
| ..... | Scotch..... | 9 | 360 | 2 | M | 17 | 360 | M | 16 | 175 | 535 | 895 | |
| ..... | Irish..... | 6 | 325 | 1 | M | 17 | 325 | | | | 325 | 650 | |
| Peoria..... | ..... | 8 | 600 | 4 | M | 17 | 500 | F | 26 | 150 | 950 | 1,550 | |
| ..... | ..... | 7 | 468 | 2 | M | 24 | 468 | F | 17 | 150 | 708 | 1,176 | |
| ..... | Scotch..... | 5 | 336 | 2 | M | 19 | 200 | F | 16 | 100 | 300 | 636 | |
| ..... | English..... | 5 | 480 | 1 | M | | | F | 22 | 78 | 78 | 558 | |
| Peoria county..... | Irish..... | 4 | 336 | 2 | M | 20 | 150 | M | 16 | 180 | 330 | 666 | |
| ..... | American..... | 7 | 336 | 2 | M | 19 | 200 | M | 17 | 150 | 350 | 686 | |
| ..... | English..... | 5 | 336 | 1 | M | | | F | 17 | 100 | 100 | 436 | |
| ..... | ..... | 5 | 336 | 1 | M | | | F | 16 | 100 | 100 | 436 | |
| ..... | American..... | 10 | 336 | 2 | M | 22 | 200 | M | 15 | 150 | 350 | 686 | |
| Rentchler..... | ..... | 2 | 168 | 1 | M | 18 | 168 | | | | 168 | 336 | |
| Streator..... | Irish..... | 9 | 368 | 2 | M | 17 | 368 | M | 14 | 172 | 540 | 908 | |
| ..... | ..... | 6 | 420 | 3 | M | 21 | 420 | M | 16 | 150 | 990 | 1,410 | |
| ..... | English..... | 3 | 750 | 1 | M | 19 | 500 | | | | 500 | 1,250 | |
| ..... | ..... | 11 | 481 | 3 | M | 18 | 130 | F | 16 | 50 | 230 | 711 | |
| ..... | ..... |  |  | 1 | M | 14 | 50 | | | | | | |
| ..... | English..... | 8 | 430 | 1 | M | 22 | 240 | | | | 240 | 670 | |
| ..... | American..... | 8 | 270 | 1 | M | 18 | 180 | | | | 180 | 450 | |
| ..... | ..... | 6 | 250 | 2 | M | 18 | 100 | M | 16 | 75 | 175 | 425 | |
| ..... | Welsh..... | 6 | 380 | 1 | M | 14 | 150 | | | | 150 | 530 | |
| Summerfield..... | Scotch..... | 9 | 175 | 1 | M | | | F | 18 | 50 | 225 | 254 | |
| Averages..... | 67 | 4.98 | \$333 | 100 | 85 | 17.7 | \$212 | 15 | 18.6 | \$93 | \$193 | \$627 | \$553 |

Table XXI.—Continued.

| OCCUPATION AND LOCATION OF FAMILY. | NATIONALITY. | Size of family..... | Earnings of parents..... | EARNINGS OF CHILDREN. | | | | | | | | Earnings of whole family | Expenses of family..... |
|------------------------------------|---------------|---------------------|--------------------------|-----------------------|----------|----------|-------------|----------|----------|-------------|-------------------|--------------------------|-------------------------|
| | | | | No..... | Sex..... | Age..... | Amount..... | Sex..... | Age..... | Amount..... | Whole amount..... | | |
| <i>Coopers—</i> | | | | | | | | | | | | | |
| Alton..... | German..... | 4 | \$250 | 1 | | | | F | 14 | \$50 | \$50 | \$300 | \$303 |
| Champaign..... | English..... | 9 | 600 | 1 | M | 21 | \$660 | | | | 660 | 1,260 | 750 |
| Chicago..... | Irish..... | 8 | 340 | 1 | M | 16 | 120 | | | | 120 | 460 | 683 |
| | German..... | 7 | 504 | 2 | M | 15 | 100 | M | 12 | 100 | 200 | 704 | 603 |
| Averages..... | 4 | 7 | \$423 | 5 | 4 | 16 | \$225 | 1 | 14 | \$50 | \$206 | \$681 | \$586 |
| <i>Curriers—</i> | | | | | | | | | | | | | |
| Chicago..... | Irish..... | 13 | 500 | 2 | M | 26 | 400 | M | 21 | 400 | 800 | 1,300 | 1,347 |
| | German..... | 4 | 480 | 1 | | | | F | 17 | 120 | 120 | 600 | 549 |
| | American..... | 3 | 444 | 1 | M | 22 | 350 | | | | 350 | 794 | 460 |
| Averages..... | 3 | 6.66 | \$474 | 4 | 3 | 23 | \$287 | 1 | 17 | \$120 | \$317 | \$893 | \$785 |
| <i>Engineers (Loco.)—</i> | | | | | | | | | | | | | |
| East St. Louis..... | American..... | 4 | 780 | 1 | | | | F | 27 | 240 | 240 | 1,020 | 1,147 |
| Rock Island..... | German..... | 8 | 780 | 1 | M | 19 | 255 | | | | 255 | 1,035 | 656 |
| Averages..... | 2 | 6 | \$780 | 2 | 1 | 19 | \$255 | 1 | 27 | \$240 | \$247 | \$1,027 | \$901 |
| <i>Engineers (Stat'y)—</i> | | | | | | | | | | | | | |
| Alton..... | Scotch..... | 6 | 495 | 1 | | | | F | 16 | 50 | 50 | 545 | 452 |
| East St. Louis..... | American..... | 4 | 728 | 1 | | | | F | 18 | 104 | 104 | 832 | 674 |
| Moline..... | | 4 | 600 | 2 | M | 20 | 520 | M | 17 | 325 | 845 | 1,445 | 1,440 |
| Sterling..... | | 5 | 480 | 2 | M | 19 | 150 | M | 16 | 125 | 275 | 755 | 634 |
| Averages..... | 4 | 7.75 | \$575 | 6 | 4 | 18 | \$280 | 2 | 17 | \$77 | \$212 | \$694 | \$800 |
| <i>Express drivers—</i> | | | | | | | | | | | | | |
| Chicago..... | Irish..... | 7 | 756 | 2 | M | 28 | 398 | M | 24 | 320 | 658 | 1,414 | 1,233 |
| | German..... | 8 | 720 | 1 | M | 21 | 260 | | | | 260 | 980 | 930 |
| Averages..... | 2 | 7.5 | \$738 | 3 | 3 | 24.3 | \$306 | | | | \$459 | \$1,197 | \$1,081 |
| <i>Farm hands—</i> | | | | | | | | | | | | | |
| Mattoon..... | American..... | 9 | 216 | 1 | M | 17 | 96 | | | | 96 | 312 | 310 |
| | | 9 | 420 | 1 | M | 20 | 432 | | | | 432 | 852 | 852 |
| Averages..... | 2 | 9 | \$318 | 2 | 2 | 18.5 | \$264 | | | | \$264 | \$582 | \$581 |
| <i>Fireman (Loco.)—</i> | | | | | | | | | | | | | |
| Pontiac..... | American..... | 3 | 600 | 1 | M | 21 | 480 | | | | 480 | 1,080 | 450 |
| <i>Firemen (Stat'y)—</i> | | | | | | | | | | | | | |
| Champaign..... | American..... | 7 | 436 | 2 | M | 14 | 72 | F | 17 | \$50 | 122 | 558 | 477 |
| Joliet..... | Irish..... | 10 | 467 | 2 | M | 13 | 50 | F | 22 | 240 | 290 | 757 | 750 |
| Averages..... | 2 | 8.5 | \$451 | 4 | 2 | 13.5 | \$61 | 2 | 19.5 | \$145 | \$103 | \$657 | \$613 |
| <i>Fisherman—</i> | | | | | | | | | | | | | |
| Moline..... | Scan..... | 8 | 210 | 2 | M | 20 | 240 | M | 17 | 90 | 330 | 540 | 578 |
| Averages..... | 1 | | | | | 2 | 18.5 | \$165 | | | | | |
| <i>Flagman—</i> | | | | | | | | | | | | | |
| Aurora..... | Irish..... | 4 | \$312 | 1 | M | 15 | \$50 | | | | \$50 | \$362 | \$337 |
| <i>Foremen—</i> | | | | | | | | | | | | | |
| Belleville..... | American..... | 8 | 1010 | 2 | M | 18 | 612 | M | 16 | \$180 | 792 | 1,802 | 1,410 |
| Chicago..... | French..... | 6 | 1200 | 1 | | | | F | 20 | 300 | 300 | 1,500 | 1,430 |
| East St. Louis..... | American..... | 3 | 792 | 1 | | | | F | 20 | 250 | 250 | 1,042 | 679 |
| | | 6 | 1520 | 1 | M | 20 | 1,020 | | | | 1,020 | 2,540 | 1,949 |
| Joliet..... | Irish..... | 10 | 692 | 2 | M | 16 | 100 | M | 14 | 50 | 120 | 842 | 891 |
| Averages..... | 5 | 6.6 | 1042 | 7 | 5 | 16.8 | \$392 | 2 | 20 | \$275 | \$358 | \$1,545 | \$1,271 |
| <i>Furnace men—</i> | | | | | | | | | | | | | |
| Joliet..... | American..... | 4 | 637 | 1 | M | 22 | 537 | | | | 537 | 1,174 | 797 |
| | Irish..... | 6 | 575 | 1 | M | 12 | 48 | | | | 48 | 623 | 503 |
| Averages..... | 2 | 5 | \$606 | 2 | 2 | 17 | \$292 | | | | \$292 | \$898 | \$650 |

Table XXI—Continued.

| OCCUPATION AND LOCATION OF FAMILY. | NATION-ALITY. | Size of family..... | Earnings of parents..... | EARNINGS OF CHILDREN. | | | | | | | | Earnings of whole family..... | Expenses of family..... |
|------------------------------------|---------------|---------------------|--------------------------|-----------------------|------|------|--------|-------|------|--------|--------------|-------------------------------|-------------------------|
| | | | | No. | Sex. | Age. | Amount | Sex. | Age. | Amount | Whole amount | | |
| Gardener— | | | | | | | | | | | | | |
| Joliet..... | German... | 11 | \$380 | 2 | M | 14 | \$48 | M | 12 | \$24 | \$72 | \$452 | \$470 |
| Averages..... | 1 | ... | ... | ... | 2 | 19 | \$16 | ... | ... | ... | ... | ... | ... |
| Gilder— | | | | | | | | | | | | | |
| Springfield..... | English... | 12 | \$720 | 2 | M | 18 | 240 | M | 16 | \$144 | \$384 | \$1,104 | \$920 |
| Averages..... | 1 | ... | ... | ... | 2 | 17 | \$192 | ... | ... | ... | ... | ... | ... |
| Grinder— | | | | | | | | | | | | | |
| Moline..... | Scan..... | 6 | \$650 | 1 | M | 13 | 150 | ... | ... | ... | \$150 | \$800 | \$593 |
| Harness-makers— | | | | | | | | | | | | | |
| Chicago..... | German... | 5 | 432 | 1 | M | 19 | 200 | ... | ... | ... | 200 | 632 | 600 |
| ..... | American. | 4 | 600 | 1 | M | 20 | 300 | ... | ... | ... | 300 | 900 | 1,175 |
| ..... | Irish... | 5 | 672 | 1 | M | 18 | 400 | ... | ... | ... | 400 | 1,072 | 1,100 |
| Jacksonville..... | American. | 4 | 702 | 1 | M | 19 | 600 | ... | ... | ... | 600 | 1,302 | 669 |
| Averages..... | 5 | 4.8 | \$606 | 5 | 5 | 18 | 8 | \$350 | ... | ... | \$350 | \$956 | \$883 |
| Heater— | | | | | | | | | | | | | |
| East St. Louis..... | English... | 5 | 1322 | 1 | M | 18 | 222 | ... | ... | ... | 222 | 1,544 | 911 |
| Hod-carriers— | | | | | | | | | | | | | |
| Chicago..... | Pole..... | 3 | 435 | 1 | M | 21 | 300 | ... | ... | ... | 300 | 735 | 315 |
| ..... | Irish..... | 3 | 365 | 1 | M | 20 | 500 | ... | ... | ... | 200 | 565 | 392 |
| Averages..... | 2 | 3 | \$400 | 2 | 2 | 20.5 | \$250 | ... | ... | ... | \$250 | \$650 | \$358 |
| Iron and Steel Workers— | | | | | | | | | | | | | |
| Joliet..... | English... | 6 | 1420 | 1 | M | 14 | 300 | ... | ... | ... | 300 | 1,720 | 708 |
| Sterling..... | Irish... | 10 | 384 | 2 | M | 17 | 275 | M | 18 | \$150 | 425 | 809 | 720 |
| Averages..... | 2 | 8 | \$902 | 3 | 3 | 16.3 | \$241 | ... | ... | ... | \$241 | \$1,264 | \$714 |
| Janitor— | | | | | | | | | | | | | |
| Pontiac..... | German.. | 9 | 700 | 2 | M | 18 | 300 | M | 16 | \$276 | 576 | 1,276 | 678 |
| Averages..... | 1 | ... | ... | ... | 2 | 17 | \$288 | ... | ... | ... | ... | ... | ... |
| Laborers— | | | | | | | | | | | | | |
| Alton..... | Colored | 7 | \$278 | 1 | M | 15 | 50 | ... | ... | ... | \$50 | \$328 | \$328 |
| Aurora..... | American. | 6 | 384 | 1 | M | 17 | 150 | ... | ... | ... | 150 | 534 | 530 |
| Bloomington..... | Irish... | 5 | 280 | 1 | M | 20 | 100 | ... | ... | ... | 100 | 380 | 350 |
| ..... | ..... | 3 | 180 | 1 | M | 20 | 420 | ... | ... | ... | 420 | 600 | 325 |
| ..... | ..... | 4 | 300 | 1 | M | 18 | 144 | ... | ... | ... | 144 | 444 | 325 |
| ..... | ..... | 6 | 300 | 2 | M | 20 | 350 | M | 19 | 350 | 700 | 1,000 | 420 |
| ..... | ..... | 6 | 300 | 1 | M | 22 | 450 | ... | ... | ... | 450 | 750 | 749 |
| ..... | ..... | 4 | 250 | 1 | ... | ... | ... | F | 18 | 300 | 300 | 550 | 340 |
| ..... | ..... | 4 | 400 | 1 | M | 20 | 624 | ... | ... | ... | 624 | 1,024 | 965 |
| ..... | German... | 5 | 390 | 1 | M | 20 | 144 | ... | ... | ... | 144 | 414 | 274 |
| ..... | American. | 7 | 420 | 1 | M | 21 | 200 | ... | ... | ... | 200 | 620 | 507 |
| Carlville..... | Colored | 3 | 459 | 1 | M | 16 | 175 | ... | ... | ... | 175 | 634 | 476 |
| Centralia..... | American. | 6 | 390 | 1 | M | 17 | 420 | ... | ... | ... | 420 | 810 | 559 |
| ..... | Colored | 3 | 300 | 1 | M | 13 | 30 | ... | ... | ... | 30 | 330 | 335 |
| ..... | ..... | 3 | 519 | 1 | ... | ... | ... | F | 16 | 96 | 96 | 615 | 424 |
| ..... | ..... | 8 | 270 | 2 | M | 19 | 180 | F | 17 | 96 | 276 | 546 | 526 |
| Champaign..... | German.. | 5 | 468 | 1 | M | 14 | 150 | ... | ... | ... | 150 | 624 | 509 |
| ..... | American. | 3 | 288 | 1 | M | 19 | 35 | ... | ... | ... | 35 | 323 | 329 |
| ..... | ..... | 10 | 312 | 2 | M | 18 | 165 | M | 16 | 150 | 315 | 627 | 554 |
| ..... | ..... | 7 | 120 | 2 | M | 25 | 200 | M | 20 | 200 | 400 | 520 | 465 |
| Chicago..... | Bohemian | 6 | 400 | 2 | M | 23 | 384 | M | 17 | 250 | 634 | 1,114 | 1,125 |
| ..... | ..... | 6 | 300 | 1 | M | 22 | 360 | ... | ... | ... | 360 | 660 | 675 |
| ..... | Scand.... | 5 | 240 | 2 | M | 16 | 200 | F | 18 | 340 | 540 | 780 | 850 |
| ..... | ..... | 8 | 320 | 1 | M | 14 | 100 | ... | ... | ... | 100 | 420 | 422 |
| ..... | ..... | 5 | 408 | 2 | M | 11 | 100 | M | 9 | 100 | 200 | 608 | 652 |
| ..... | Irish... | 6 | 370 | 1 | M | 12 | 24 | ... | ... | ... | 24 | 394 | 315 |
| ..... | Colored | 9 | 467 | 1 | M | 14 | 85 | ... | ... | ... | 85 | 552 | 552 |
| ..... | American. | 7 | 450 | 1 | M | 8 | 150 | ... | ... | ... | 150 | 600 | 510 |
| ..... | ..... | 7 | 460 | 1 | M | 10 | 100 | ... | ... | ... | 100 | 560 | 507 |

Table XXI.—Continued.

| OCCUPATION AND LOCATION OF FAMILY. | NATIONALITY. | Size of family. | Earnings of parents. | EARNINGS OF CHILDREN. | | | | | | Whole amount. | Earnings of whole family. | Expenses of family. | |
|------------------------------------|--------------|-----------------|----------------------|-----------------------|------|------|---------|------|------|---------------|---------------------------|---------------------|---------|
| | | | | No. | Age. | Sex. | Amount. | Age. | Sex. | | | | Amount. |
| <i>Laborers—(Continued.)</i> | | | | | | | | | | | | | |
| Chicago. | American. | 8 | \$390 | 2 | M | 12 | \$50 | M | 14 | \$60 | \$110 | \$500 | \$525 |
| .. | Irish. | 6 | 336 | 1 | M | 20 | 300 | | | | 300 | 636 | 578 |
| .. | .. | 4 | 250 | 1 | M | 19 | 250 | F | 17 | 150 | 400 | 650 | 489 |
| .. | .. | 7 | 274 | 2 | M | 14 | 160 | M | 12 | 90 | 250 | 524 | 524 |
| .. | American. | 8 | 432 | 1 | M | 14 | 100 | | | | 100 | 532 | 552 |
| .. | German. | 9 | 360 | 1 | M | 10 | 100 | | | | 100 | 460 | 452 |
| .. | .. | 5 | 300 | 1 | M | 8 | 300 | | | | 300 | 600 | 392 |
| .. | .. | 8 | 375 | 1 | M | 15 | 125 | | | | 125 | 500 | 500 |
| .. | .. | 5 | 360 | 2 | M | 16 | 400 | F | 20 | 240 | 640 | 1,000 | 1,018 |
| .. | Irish. | 6 | 285 | 1 | M | 15 | 125 | | | | 125 | 413 | 339 |
| Danville. | .. | 4 | 300 | 1 | M | 18 | 240 | | | | 240 | 540 | 240 |
| .. | .. | 6 | 300 | 1 | M | 17 | 200 | | | | 200 | 500 | 433 |
| .. | American. | 8 | 390 | 1 | M | 17 | 75 | | | | 75 | 435 | 428 |
| .. | .. | 3 | 330 | 1 | M | 18 | 250 | | | | 250 | 610 | 357 |
| .. | .. | 6 | 450 | 1 | M | 14 | 100 | | | | 100 | 550 | 561 |
| .. | .. | 6 | 294 | 1 | M | 16 | 105 | | | | 105 | 399 | 409 |
| .. | .. | 6 | 50 | 1 | M | 14 | 25 | | | | 25 | 75 | 150 |
| .. | .. | 4 | 300 | 1 | M | 20 | 120 | | | | 120 | 420 | 326 |
| .. | .. | 5 | 432 | 1 | M | 17 | 350 | | | | 350 | 782 | 585 |
| .. | Irish. | 5 | 300 | 1 | M | 15 | 50 | | | | 50 | 350 | 184 |
| .. | .. | 6 | 288 | 2 | M | 20 | 240 | M | 16 | 60 | 300 | 588 | 698 |
| East St. Louis. | .. | 3 | 720 | 1 | M | 20 | 50 | | | | 50 | 770 | 741 |
| .. | American. | 9 | 616 | 1 | M | 18 | 84 | | | | 84 | 600 | 515 |
| .. | .. | 7 | 360 | 2 | M | 15 | 164 | M | 13 | 100 | 264 | 624 | 585 |
| Elgin. | .. | 5 | 324 | 1 | M | 16 | 215 | | | | 215 | 539 | 319 |
| Equality. | .. | 7 | 420 | 1 | M | 14 | 30 | | | | 30 | 450 | 371 |
| Freeport. | German. | 9 | 195 | 1 | M | 20 | 100 | | | | 100 | 295 | 295 |
| Galena. | American. | 10 | 262 | 2 | M | 24 | 231 | F | 23 | 48 | 279 | 541 | 500 |
| .. | .. | 10 | 480 | 2 | | | | F | 18 | 40 | 108 | 588 | 500 |
| .. | Irish. | 9 | 315 | 1 | M | 22 | 315 | | | | 315 | 630 | 550 |
| .. | .. | 3 | 360 | 1 | M | 22 | 360 | | | | 360 | 720 | 525 |
| Fulton. | .. | 7 | 320 | 1 | M | 14 | 90 | | | | 90 | 410 | 430 |
| Galesburg. | Scand'v'n. | 10 | 324 | 2 | M | 12 | 60 | F | 10 | 50 | 110 | 431 | 460 |
| .. | .. | 4 | 290 | 1 | M | 24 | 312 | | | | 312 | 602 | 380 |
| .. | American. | 8 | 312 | 1 | M | 14 | 25 | | | | 25 | 337 | 483 |
| Joliet. | Colored. | 5 | 578 | 1 | M | 10 | 8 | | | | 8 | 586 | 537 |
| .. | French. | 10 | 505 | 2 | M | 19 | 200 | M | 14 | 100 | 300 | 805 | 805 |
| Moline. | Scand'v'n. | 7 | 315 | 1 | M | 16 | 120 | | | | 120 | 435 | 542 |
| .. | .. | 6 | 360 | 1 | M | 17 | 150 | | | | 150 | 510 | 452 |
| .. | .. | 6 | 360 | 1 | M | 17 | 90 | | | | 90 | 450 | 318 |
| .. | .. | 4 | 468 | 1 | M | 16 | 200 | | | | 200 | 668 | 420 |
| .. | Colored. | 4 | 420 | 2 | M | 17 | 50 | M | 14 | 25 | 75 | 495 | 452 |
| .. | American. | 4 | 280 | 2 | M | 19 | 150 | M | 16 | 75 | 225 | 505 | 437 |
| .. | German. | 4 | 432 | 1 | M | 18 | 375 | | | | 375 | 807 | 513 |
| .. | Irish. | 5 | 315 | 2 | M | 17 | 200 | M | 15 | 125 | 325 | 640 | 446 |
| .. | .. | 4 | 396 | 2 | M | 19 | 300 | M | 17 | 250 | 550 | 916 | 662 |
| Peoria. | .. | 6 | 270 | 1 | | | | F | 16 | 180 | 180 | 450 | 550 |
| .. | American. | 4 | 270 | 1 | M | 16 | 100 | | | | 100 | 370 | 395 |
| .. | Scotch. | 9 | 450 | 1 | M | 15 | 150 | | | | 150 | 600 | 546 |
| .. | American. | 5 | 360 | 2 | M | 18 | 150 | M | 14 | 75 | 225 | 585 | 552 |
| .. | .. | 4 | 360 | 1 | | | | F | 15 | 75 | 75 | 435 | 378 |
| .. | German. | 5 | 468 | 1 | M | 15 | 208 | | | | 208 | 676 | 519 |
| .. | Irish. | 6 | 360 | 1 | M | 19 | 260 | | | | 260 | 620 | 421 |
| .. | American. | 6 | 324 | 2 | M | 20 | 480 | M | 18 | 208 | 688 | 1,012 | 709 |
| .. | .. | 7 | 378 | 2 | M | 22 | 524 | F | 18 | 150 | 674 | 1,052 | 719 |
| .. | Irish. | 5 | 378 | 1 | M | 15 | 168 | | | | 168 | 546 | 476 |
| .. | Eng'ish. | 5 | 270 | 1 | M | 17 | 150 | | | | 150 | 420 | 474 |
| .. | American. | 5 | 360 | 1 | M | 14 | 168 | | | | 168 | 523 | 360 |
| .. | .. | 4 | 360 | 1 | M | 16 | 312 | | | | 312 | 672 | 367 |
| .. | Scotch. | 6 | 378 | 2 | M | 20 | 520 | F | 16 | 78 | 598 | 916 | 606 |
| .. | German. | 5 | 378 | 1 | M | 16 | 208 | | | | 208 | 586 | 315 |
| .. | American. | 5 | 378 | 1 | M | 19 | 312 | | | | 312 | 690 | 440 |
| .. | Irish. | 5 | 468 | 2 | M | 12 | 50 | F | 15 | 158 | 208 | 676 | 652 |
| Peoria County. | English. | 5 | 252 | 1 | M | 16 | 144 | | | | 144 | 396 | 293 |
| Pontiac | Colored. | 3 | 240 | 1 | M | 14 | 200 | | | | 200 | 440 | 306 |
| Rock Island. | Irish. | 8 | 315 | 1 | M | 19 | 100 | | | | 100 | 415 | 370 |
| .. | .. | 6 | 540 | 1 | M | 19 | 100 | | | | 100 | 640 | 471 |
| .. | American. | 8 | 234 | 1 | M | 16 | 81 | | | | 81 | 315 | 423 |
| .. | German. | 5 | 264 | 1 | M | 18 | 250 | | | | 250 | 514 | 568 |

Table XXI.—Continued.

| OCCUPATION AND LOCATION OF FAMILY. | NATION-ALITY. | Size of family... | Earnings of parents... | EARNINGS OF CHILDREN. | | | | | | | | Earnings of whole family | Expenses of family..... |
|------------------------------------|---------------|-------------------|------------------------|-----------------------|----------|----------|--------|----------|----------|--------|--------------|--------------------------|-------------------------|
| | | | | No..... | Sex..... | Age..... | Amount | Sex..... | Age..... | Amount | Whole amount | | |
| Laborers—(Continued.) | | | | | | | | | | | | | |
| Springfield..... | American. | 2 | \$450 | 2 | M | 20 | \$480 | M | 16 | \$225 | \$705 | \$1,155 | \$947 |
| Sterling..... | Irish | 3 | \$384 | 1 | M | 12 | 360 | F | 14 | 60 | 60 | 444 | 588 |
| Averages..... | 101 | 5.89 | \$352 | 17 | 11 | 17.6 | \$185 | 16 | 17½ | \$132 | \$179 | \$581 | \$948 |
| Laborers—(Railroad)— | | | | | | | | | | | | | |
| Chicago..... | Scand'n'n. | 8 | \$450 | 2 | M | 15 | 120 | F | 13 | 80 | 200 | 650 | 650 |
| East St. Louis..... | American. | 5 | \$240 | 2 | M | 18 | 532 | M | 16 | 450 | 982 | 1,222 | 1,367 |
| Averages..... | 3 | 7.66 | \$424 | 5 | 4 | 16.2 | \$366 | 1 | 13 | \$80 | \$309 | \$940 | \$948 |
| Laborers—(Coal mines)— | | | | | | | | | | | | | |
| Gardner..... | English... | 6 | \$250 | 2 | M | 15 | 100 | F | 16 | 12 | 112 | 362 | 362 |
| Coal City..... | Irish | 8 | \$327 | 2 | M | 24 | 520 | M | 17 | 250 | 770 | 1,097 | 895 |
| Averages..... | 2 | 7 | \$288 | 4 | 3 | 18.6 | \$287 | 1 | 16 | \$12 | \$220 | \$729 | \$628 |
| Lead Miner— | | | | | | | | | | | | | |
| Galena..... | Irish | 5 | \$262 | 1 | M | 24 | 100 | .. | .. | .. | 100 | 362 | 358 |
| Lumber handlers— | | | | | | | | | | | | | |
| Chicago..... | Bohemian | 9 | \$320 | 1 | M | 12 | 80 | .. | .. | .. | 80 | 400 | 403 |
| Averages..... | 2 | 7 | \$300 | 1 | M | 14 | 200 | .. | .. | .. | 200 | 500 | 502 |
| Machinists— | | | | | | | | | | | | | |
| Belleville..... | German | 3 | \$600 | 1 | .. | .. | .. | F | 16 | 156 | 156 | 756 | 622 |
| Chicago..... | American. | 7 | \$448 | 1 | M | 11 | 100 | .. | .. | .. | 100 | 748 | 676 |
| East St. Louis..... | Irish | 7 | \$544 | 1 | M | 16 | 500 | .. | .. | .. | 500 | 1,044 | 1,050 |
| Averages..... | 4 | 6.5 | \$680 | 4 | 3 | 13.6 | \$344 | 1 | 16 | \$156 | \$297 | \$977 | \$819 |
| Machinists (Railroad)— | | | | | | | | | | | | | |
| Champaign..... | German | 7 | \$480 | 2 | M | 15 | 30 | F | 20 | 25 | 55 | 535 | 634 |
| East St. Louis..... | American. | 6 | \$912 | 1 | M | 20 | 648 | .. | .. | .. | 648 | 1,560 | 1,052 |
| Galesburg..... | Dane | 7 | \$720 | 2 | M | 12 | 30 | M | 12 | 30 | 60 | 740 | 545 |
| Averages..... | 4 | 6.25 | \$703 | 6 | 5 | 14.2 | \$168 | 1 | 20 | \$25 | \$147 | \$919 | \$724 |
| Marble workers— | | | | | | | | | | | | | |
| Bell-ville..... | German... | 9 | \$468 | 1 | M | 15 | 208 | .. | .. | .. | 208 | 676 | 689 |
| Mattoon..... | American. | 3 | \$648 | 1 | M | 18 | 360 | .. | .. | .. | 360 | 1,008 | 753 |
| Sterling..... | .. | 9 | \$600 | 2 | M | 18 | 150 | M | 16 | 100 | 250 | 850 | 717 |
| Averages..... | 3 | 7 | \$72 | 4 | 4 | 16.7 | \$204 | .. | .. | .. | \$204 | \$844 | \$719 |
| Master mechanic— | | | | | | | | | | | | | |
| Urbana..... | American. | 7 | \$1800 | 2 | M | 22 | 800 | M | 20 | 580 | 1,380 | 3,180 | 1,117 |
| Averages..... | .. | .. | .. | 2 | 21 | .. | \$690 | .. | .. | .. | .. | .. | .. |
| Millers— | | | | | | | | | | | | | |
| Peoria..... | Irish..... | 7 | \$392 | 2 | M | 17 | 150 | M | 15 | 100 | 250 | 642 | 490 |
| Sterling..... | American. | 4 | \$468 | 1 | M | 18 | 100 | .. | .. | .. | 100 | 568 | 555 |
| Averages..... | 2 | 5.5 | \$30 | 3 | 3 | 16.6 | \$175 | .. | .. | .. | \$175 | \$605 | \$522 |
| Moulders— | | | | | | | | | | | | | |
| Chicago..... | French | 4 | \$704 | 1 | M | 16 | 50 | .. | .. | .. | 50 | 754 | 832 |
| Freeport..... | German... | 4 | \$660 | 2 | M | 18 | 160 | M | 16 | 100 | 260 | 920 | 736 |
| Joliet..... | Irish..... | 11 | \$12 | 3 | M | 21 | 612 | M | 16 | 100 | 812 | 1,424 | 1,386 |
| Peoria..... | .. | 8 | \$664 | 1 | M | 15 | 144 | .. | .. | .. | 144 | 1,008 | 605 |
| Quincy..... | American. | 9 | \$1008 | 1 | M | 15 | 100 | .. | .. | .. | 100 | 1,108 | 1,015 |
| Springfield..... | English... | 5 | \$690 | 1 | .. | .. | .. | F | 17 | 200 | 200 | 890 | 890 |
| Averages..... | 6 | 6.83 | \$756 | 9 | 8 | 16.8 | \$171 | 1 | 17 | \$200 | \$174 | \$1,017 | \$916 |

Table XXI.—Continued.

| OCCUPATION AND LOCATION OF FAMILY. | NATION-ALITY. | Size of family..... | Earnings of parents..... | No..... | Sex..... | Age..... | EARNINGS OF CHILDREN. | | | | Whole amount | Earnings of whole family | Expenses of family..... |
|--|---------------|---------------------|--------------------------|---------|----------|----------|-----------------------|----------|----------|--------|--------------|--------------------------|-------------------------|
| | | | | | | | Amount | Sex..... | Age..... | Amount | | | |
| <i>Nailer—</i> Belleville..... | English .. | 6 | 1080 | 1 | M | 18 | \$318 | ..... | ..... | ..... | \$318 | \$1,398 | \$957 |
| <i>Organ builder—</i> Chicago | Scand..... | 4 | 400 | 1 | M | 21 | 524 | ..... | ..... | ..... | 564 | 964 | 652 |
| <i>Painters—</i> Aurora..... | American. | 3 | 576 | 1 | M | 18 | 50 | ..... | ..... | ..... | 50 | 626 | 606 |
| Chicago..... | ..... | 9 | 405 | 1 | ..... | ..... | ..... | F | 17 | \$78 | 78 | 483 | 583 |
| Galena..... | English... | 3 | 262 | 1 | M | 30 | 262 | ..... | ..... | ..... | 262 | 524 | 450 |
| Peoria..... | German... | 10 | 432 | 1 | M | 20 | 520 | ..... | ..... | ..... | 520 | 952 | 569 |
| ..... | American. | 4 | 432 | 1 | M | 15 | 120 | ..... | ..... | ..... | 120 | 552 | 516 |
| ..... | ..... | 5 | 432 | 1 | M | 16 | 208 | ..... | ..... | ..... | 208 | 640 | 421 |
| ..... | German... | 5 | 420 | 1 | M | 15 | 182 | ..... | ..... | ..... | 182 | 602 | 415 |
| Averages | 7 | 5.65 | \$422 | 6 | 5 | 19.2 | \$258 | 1 | 17 | \$78 | \$236 | \$625 | \$509 |
| <i>Paper hangers—</i> Champaign..... | American. | 10 | 284 | 1 | M | 20 | 156 | ..... | ..... | ..... | 156 | 440 | 621 |
| Joliet..... | French... | 11 | 705 | 1 | ..... | ..... | ..... | F | 18 | 250 | 250 | 955 | 883 |
| Averages | 2 | 10.5 | \$494 | 2 | 1 | 20 | \$156 | 1 | 18 | \$250 | \$203 | \$697 | \$752 |
| <i>Pattern makers—</i> Galesburg..... | Scand..... | 6 | 811 | 3 | M | 15 | 312 | F | 24 | 300 | 728 | 1,539 | 960 |
| Mattoon..... | American. | 4 | 648 | 2 | M | 18 | 240 | M | 15 | 240 | 480 | 1,128 | 640 |
| Averages | 2 | 5 | \$729 | 5 | 3 | 16 | \$264 | 2 | 22 | \$208 | \$241 | \$1,333 | \$800 |
| <i>Pit-sinker—</i> Alton..... | English... | 3 | 220 | 1 | ..... | ..... | ..... | F | 17 | 70 | 70 | 290 | 294 |
| <i>Pit-top man—</i> Alton..... | Welch.... | 4 | 300 | 1 | M | 25 | 325 | ..... | ..... | ..... | 325 | 625 | 727 |
| <i>Plasterers—</i> Alton..... | American. | 9 | 436 | 1 | M | 15 | 104 | ..... | ..... | ..... | 104 | 540 | 546 |
| Aurora..... | English... | 7 | 612 | 1 | M | 22 | 100 | ..... | ..... | ..... | 100 | 712 | 804 |
| Centralia..... | American. | 4 | 576 | 1 | M | 17 | 315 | ..... | ..... | ..... | 315 | 891 | 640 |
| Danville..... | ..... | 9 | 405 | 1 | M | 16 | 50 | ..... | ..... | ..... | 50 | 455 | 430 |
| Joliet..... | ..... | 4 | 482 | 1 | M | 10 | 10 | ..... | ..... | ..... | 10 | 492 | 500 |
| Averages | 5 | 6.6 | \$502 | 5 | 5 | 16 | \$116 | ..... | ..... | ..... | \$116 | \$618 | \$584 |
| <i>Plow-factory man—</i> Galena..... | German... | 8 | 630 | 1 | M | 19 | 300 | ..... | ..... | ..... | 300 | 930 | 500 |
| <i>Plumber—</i> Rock Island..... | American. | 4 | 600 | 1 | M | 16 | 200 | ..... | ..... | ..... | 200 | 800 | 472 |
| <i>Potter—</i> Galena..... | American. | 7 | 324 | 1 | M | 20 | 184 | ..... | ..... | ..... | 184 | 508 | 450 |
| <i>Printers—</i> Chicago..... | English... | 5 | 800 | 2 | M | 16 | 208 | M | 14 | 208 | 416 | 1,216 | 1,015 |
| ..... | American. | 5 | 580 | 1 | ..... | ..... | ..... | F | 16 | 150 | 150 | 730 | 720 |
| ..... | ..... | 9 | 738 | 2 | M | 20 | 200 | F | 16 | 100 | 300 | 1,038 | 1,166 |
| ..... | ..... | 3 | 600 | 1 | ..... | ..... | ..... | F | 20 | 360 | 360 | 960 | 827 |
| Averages | 4 | 5.5 | \$679 | 6 | 3 | 16.6 | \$205 | 3 | 17½ | \$203 | \$204 | \$986 | \$932 |
| <i>Puddler—</i> East St. Louis..... | Welch.... | 6 | 1000 | 1 | M | 17 | 421 | ..... | ..... | ..... | 421 | 1,421 | 902 |
| <i>Puddlers' helper—</i> Centralia..... | American. | 4 | 504 | 1 | M | 22 | 255 | ..... | ..... | ..... | 255 | 759 | 603 |
| <i>Quarrymen—</i> Aurora..... | German... | 6 | 504 | 1 | M | 16 | 100 | ..... | ..... | ..... | 100 | 604 | 595 |
| Joliet..... | Scand... | 8 | 390 | 1 | M | 12 | 75 | ..... | ..... | ..... | 75 | 465 | 579 |
| ..... | Irish..... | 6 | 410 | 2 | M | 19 | 200 | F | 17 | 125 | 375 | 735 | 531 |
| Averages | 3 | 6.66 | \$434 | 4 | 3 | 15.6 | \$125 | 1 | 17 | \$125 | \$125 | \$601 | \$568 |

Table XXI.—Continued.

| OCCUPATION AND LOCATION OF FAMILY. | NATION-ALITY. | Size of family..... | Earnings of parents..... | EARNINGS OF CHILDREN. | | | | | | Earnings of whole family | Expenses of family..... | | |
|------------------------------------|---------------|---------------------|--------------------------|-----------------------|----------|----------|--------|----------|----------|--------------------------|-------------------------|---------|--------------|
| | | | | No..... | Sex..... | Age..... | Amount | Sex..... | Age..... | | | Amount | Whole amount |
| Roller— | | | | | | | | | | | | | |
| East St. Louis..... | Welsh..... | 6 | 1000 | 1 | M | 17 | \$421 | | | | \$421 | \$1,421 | \$934 |
| Rolling-mill hands— | | | | | | | | | | | | | |
| Chicago..... | Irish..... | 5 | 420 | 2 | M | 20 | 300 | F | 16 | 100 | 400 | 820 | 763 |
| Joliet..... | Irish..... | 8 | 324 | 1 | M | 21 | 324 | | | | 324 | 648 | 657 |
| Joliet..... | Irish..... | 4 | 261 | 2 | M | 20 | 350 | F | 17 | 100 | 450 | 711 | 536 |
| Averages..... | 3 | 5.66 | \$335 | 5 | 3 | 20.3 | \$324 | 2 | 16.5 | \$100 | \$234 | \$726 | \$652 |
| Sawyer— | | | | | | | | | | | | | |
| Chicago..... | American..... | 7 | 546 | 1 | M | 27 | 800 | | | | 800 | 1,346 | 1,342 |
| Section bosses— | | | | | | | | | | | | | |
| Gardner..... | American..... | 7 | 540 | 1 | M | 14 | 80 | | | | 80 | 620 | 507 |
| Mattoon..... | American..... | 7 | 600 | 2 | M | 18 | 288 | M | 16 | 288 | 576 | 1,176 | 979 |
| Averages..... | 2 | 7 | \$570 | 3 | 3 | 16 | \$218 | | | | \$218 | \$898 | \$743 |
| Shoemakers— | | | | | | | | | | | | | |
| Champaign..... | Irish..... | 11 | 390 | 3 | M | 19 | 100 | F | 17 | 75 | 231 | 621 | 585 |
| Chicago..... | Irish..... | 7 | 518 | 1 | M | 14 | 100 | | | | 160 | 676 | 681 |
| Equality..... | German..... | 5 | 396 | 1 | M | 14 | 75 | | | | 75 | 471 | 455 |
| Peoria..... | French..... | 5 | 624 | 1 | M | 19 | 416 | | | | 416 | 1,040 | 503 |
| Pontiac..... | American..... | 10 | 480 | 1 | M | 24 | 150 | | | | 150 | 630 | 455 |
| Pontiac..... | American..... | 7 | 360 | 2 | M | 23 | 540 | M | 20 | 200 | 540 | 900 | 545 |
| Averages..... | 6 | 7.5 | \$461 | 9 | 8 | 18.5 | \$187 | 1 | 17 | \$75 | \$174 | \$723 | \$537 |
| Spinner— | | | | | | | | | | | | | |
| Alton..... | American..... | 9 | 270 | 3 | M | 16 | 180 | F | 18 | 135 | 432 | 702 | 702 |
| Averages..... | | | | 3 | 1 | 16 | \$180 | 2 | 16 | 126 | | | |
| Stone masons— | | | | | | | | | | | | | |
| Rock Island..... | French..... | 9 | 420 | 1 | M | 19 | 210 | | | | 210 | 630 | 558 |
| Sterling..... | Scotch..... | 4 | 206 | 1 | M | 21 | 100 | | | | 100 | 306 | 281 |
| Averages..... | 2 | 13 | \$313 | 2 | 2 | 20 | \$155 | | | | \$155 | \$468 | \$419 |
| Street-car conductor— | | | | | | | | | | | | | |
| Chicago..... | Irish..... | 8 | 700 | 1 | | | | F | 20 | 300 | 300 | 1,000 | 800 |
| Street-car driver— | | | | | | | | | | | | | |
| Chicago..... | Irish..... | 5 | 819 | 2 | M | 20 | 700 | M | 18 | 500 | 1,200 | 2,019 | 1,990 |
| Averages..... | | | | | 2 | 19 | \$600 | | | | \$600 | | |
| Tailors— | | | | | | | | | | | | | |
| Champaign..... | Irish..... | 7 | 1104 | 1 | M | 20 | 200 | | | | 200 | 1,304 | 854 |
| Chicago..... | German..... | 6 | 900 | 1 | M | 19 | 400 | | | | 400 | 1,300 | 875 |
| Jacksonville..... | | 7 | 400 | 2 | M | 20 | 218 | M | 17 | 156 | 374 | 774 | 711 |
| Moline..... | Scandi'n | 10 | 600 | 2 | M | 15 | 95 | F | 19 | 315 | 410 | 1,010 | 1,287 |
| Pontiac..... | German..... | 10 | 547 | 1 | | | | F | 18 | 100 | 100 | 647 | 585 |
| Averages..... | 5 | 8 | \$710 | 7 | 5 | 18.2 | \$214 | 2 | 18.5 | \$207 | \$217 | 1,007 | \$862 |
| Tramsters— | | | | | | | | | | | | | |
| Alton..... | American..... | 10 | 413 | 1 | M | 14 | 50 | | | | 50 | 463 | 467 |
| Aurora..... | Irish..... | 5 | 378 | 1 | M | 16 | 50 | | | | 50 | 428 | 390 |
| Bloomington..... | American..... | 4 | 550 | 2 | M | 25 | 550 | M | 13 | 50 | 600 | 1,150 | 627 |
| Chicago..... | Irish..... | 7 | 275 | 1 | M | 21 | 200 | | | | 200 | 475 | 490 |
| Freeport..... | German..... | 8 | 375 | 1 | M | 16 | 144 | | | | 144 | 519 | 519 |
| Galesburg..... | American..... | 8 | 648 | 2 | M | 18 | 80 | M | 12 | 72 | 152 | 800 | 594 |
| Rock Island..... | " | 10 | 624 | 1 | M | 14 | 30 | | | | 30 | 654 | 675 |
| " | " | 10 | 360 | 1 | M | 14 | 126 | | | | 126 | 486 | 529 |
| " | Irish..... | 11 | 825 | 4 | M | 19 | 100 | F | 20 | 72 | 372 | 1,197 | 1,213 |
| Averages..... | 9 | 8.5 | \$494 | 14 | 12 | 17.1 | \$129 | 2 | 18.5 | \$86 | \$123 | 685 | \$611 |

Table XXI.—Continued.

| OCCUPATION AND LOCATION. | NATION-ALITY. | Size of family..... | Earnings of parents..... | EARNINGS OF CHILDREN. | | | | | | | Earnings of whole family..... | Expenses of family..... | |
|----------------------------|---------------|---------------------|--------------------------|-----------------------|----------|--------|----------|----------|--------|--------------|-------------------------------|-------------------------|-------|
| | | | | No..... | Age..... | Amount | Sex..... | Age..... | Amount | Whole amount | | | |
| Tile makers— | | | | | | | | | | | | | |
| Urbana..... | German... | 6 | \$468 | 1 | M | 21 | \$100 | | | | \$100 | \$568 | \$545 |
| Tinners— | | | | | | | | | | | | | |
| Belleville..... | German... | 6 | 360 | 1 | M | 16 | 100 | | | | 100 | 460 | 461 |
| Champaign..... | American. | 10 | 520 | 2 | M | 14 | 50 | F | 17 | 72 | 122 | 642 | 809 |
| Galena..... | .. | 8 | 300 | 1 | M | 18 | 150 | | | | 150 | 450 | 450 |
| ..... | .. | 6 | 660 | 2 | M | 30 | 570 | | | 27 | 200 | 1,430 | 650 |
| Mattoon..... | .. | 4 | 606 | 1 | M | 16 | 200 | | | | 200 | 806 | 507 |
| Averages..... | 5 | 6.8 | \$489 | 7 | 5 | 18.8 | \$214 | 2 | 22 | \$136 | \$191 | \$757 | \$575 |
| Toy maker— | | | | | | | | | | | | | |
| Chicago..... | German... | 8 | 375 | 1 | M | 14 | 50 | | | | 50 | 425 | 500 |
| Trackman— | | | | | | | | | | | | | |
| Gardner..... | Welch.... | 9 | 567 | 1 | M | 15 | 54 | | | | 54 | 621 | 618 |
| Upholsterers— | | | | | | | | | | | | | |
| Chicago..... | German... | 7 | 480 | 2 | M | 15 | 175 | F | 18 | 300 | 475 | 955 | 799 |
| ..... | Bohemian | 7 | 360 | 1 | M | 18 | 300 | | | | 300 | 660 | 447 |
| Averages..... | 2 | 7 | \$420 | 3 | 2 | 16.5 | \$237 | 1 | 18 | \$300 | \$258 | \$807 | \$623 |
| Wagon maker— | | | | | | | | | | | | | |
| Danville..... | American. | 5 | 675 | 1 | M | 17 | 200 | | | | 200 | 875 | 620 |
| Watchman— | | | | | | | | | | | | | |
| Joliet..... | Irish..... | 8 | 846 | 1 | M | 14 | 75 | | | | 75 | 921 | 730 |
| Well digger— | | | | | | | | | | | | | |
| Peoria..... | English... | 5 | 630 | 1 | M | 20 | 364 | | | | 364 | 994 | 617 |
| Wood machinists— | | | | | | | | | | | | | |
| Chicago..... | Irish..... | 7 | 900 | 1 | | | | F | 12 | 100 | 100 | 1,000 | 991 |
| Peoria..... | American. | 5 | 504 | 1 | M | 16 | 180 | | | | 180 | 684 | 573 |
| Averages..... | 2 | 6 | \$762 | 2 | 1 | 16 | \$180 | 1 | 12 | \$100 | \$280 | \$842 | \$782 |
| Wood-worker— | | | | | | | | | | | | | |
| Sterling..... | American. | 9 | 600 | 1 | M | 20 | 300 | | | | 300 | 900 | 810 |
| Wiper (locomotive)— | | | | | | | | | | | | | |
| East St. Louis..... | Irish..... | 9 | 312 | 1 | M | 15 | 40 | | | | 40 | 352 | 374 |
| Yard master— | | | | | | | | | | | | | |
| East St. Louis..... | American. | 3 | 1200 | 1 | M | 17 | 624 | | | | 624 | 1,824 | 1,112 |
| Totals..... | 421 | | | 560 | 479 | | | 90 | | | | | |
| Averages..... | | 6.03 | \$475 | 17.4 | | \$212½ | | 18.9 | | \$150 | \$204½ | \$751 | \$623 |

The general results reached by this classification are, first, that the average size of families assisted by the labor of their offspring is much larger than the general average for families. In 2,129 families there was found to be an average of 4.62 persons to each family, while in these 421 families there is an average of 6.03 to each. Next, the average earnings of the heads of these families (\$475) is found to be less than the general average for heads of families (\$525.27) showing the greater need for assistance, though it is considerably more than the average for husbands whose wives are at work (\$399.73), showing the latter to be the more destitute.

Of the 569 so-called children, or, more properly speaking, youth, 479 are males and 90 are females. The average age of the former is 17.4 years, and that of the latter 18.9 years. The average earnings of the boys is \$212.45 per annum, and that of the girls \$150.00 per annum. Both sexes together add to the family income annually an average of \$204.34, or 27+ per cent. of the whole, per capita, and an average of \$276, or 36 per cent. of the whole, per family; making the combined earnings of these families \$751, which is materially greater than that of families at large.

These deductions are made from calculations embracing the whole number of individuals. There are also shown the averages for the several occupations, which possess a specific interest and may readily be referred to. Noticeable among these groups is that of 101 families of laborers, assisted by 127 children of an average age of seventeen and a half years, who earn an average of \$179 per annum, or 30 per cent. of the family earnings; also 67 families of coal miners, assisted by 100 children of an average age of eighteen years, who earn \$193, which is also 30 per cent. of the combined earnings; also 34 families of carpenters, in which 43 children are at work, earning \$177 each per annum, or 24+ per cent. of the total income of the family. Other features of interest relating to classes and individual families will appear upon examination of this table, which is very full as to the details of each case.

It will be observed at once that the greater number of these family helpers are not children in the general sense of the term, but rather past the ordinary school age, and old enough to be acquiring habits of industry and helpfulness, and assisting in their own support without detriment to themselves. We find, indeed, that the average age for the whole number of boys at work is 17.4 years, and that of girls 19.8 years, showing that the family assistance from this source, considered in the aggregate, should be regarded as the result of adult labor rather than child labor.

A closer analysis, however, of the foregoing table, with a view to discovering the real number of each age, gives us the results shown in the following table:

TABLE XXII.—*Showing the Number and Earnings of Children at specified ages.*

| AGES. | No. at work of all occupations..... | No. of boys.. | Average earnings... | No. of girls.. | Average earnings... |
|------------------------------|-------------------------------------|---------------|---------------------|----------------|---------------------|
| 10 years old and under | 8 | 7 | \$109 71 | 1 | \$50 00 |
| 11 | 3 | 3 | 87 66 | — | — |
| 12 | 16 | 15 | 57 13 | 1 | 100 00 |
| 13 | 9 | 8 | 81 25 | 1 | 50 00 |
| 14 | 48 | 44 | 110 18 | 4 | 64 25 |
| 15 | 55 | 51 | 118 43 | 4 | 131 00 |
| 16 | 89 | 74 | 154 45 | 15 | 108 66 |
| 17 | 71 | 52 | 234 82 | 19 | 137 26 |
| 18 | 79 | 61 | 231 26 | 18 | 156 72 |
| 19 | 39 | 38 | 238 39 | 1 | 315 00 |
| 20 | 69 | 58 | 334 93 | 11 | 183 72 |
| 21 | 23 | 22 | 340 95 | 1 | 350 00 |
| 22 | 20 | 17 | 358 76 | 3 | 137 00 |
| 23 | 5 | 4 | 268 50 | 1 | 48 00 |
| 24 | 14 | 9 | 298 83 | 5 | 232 00 |
| 25 | 6 | 6 | 322 10 | — | — |
| 26 | 7 | 5 | 299 00 | 2 | 150 00 |
| 27 | 3 | 1 | 800 00 | 2 | 220 00 |
| 28 | 1 | 1 | 338 00 | — | — |
| 30 | 4 | 3 | 401 33 | 1 | 100 00 |
| | 569 | 479 | \$212 45 | 90 | \$150 00 |
| Under 16 years of age | 139 | 128 | 81 45 | 11 | 90 00 |
| 16 years old and over | 430 | 351 | 254 56 | 79 | 154 48 |
| Under 21 years of age | 486 | 411 | 186 51 | 75 | 138 52 |

We here find the real number of workers of each age from 10 to 30, their sex and earnings, and can make any arbitrary distinction desired between children and youth. Assuming those under 16 years of age to belong at school and at play, rather than at work, we have a total of 139, or one-fourth of the whole, who are working children proper, of whom 128 are boys and 11 girls. Computing their earnings we have the gross sum of \$11,418.70, or a per capita average of \$82.15, that for boys being \$81.45, and that for girls \$90 per annum. As it has been shown that 36 per cent. of the revenue of families assisted by children and youth is derived from the labor of those members of the family, it follows that one-fourth of that assistance, or in exact figures .098 per cent. of the whole, is rendered by the children from 10 to 15 years of age inclusive.

We note further in considering this table that the age at which the greatest number of boys are at work is 16, and that more than half of the whole number are from 16 to 20 years of age inclusive; while more than half of all the girls at work are from 16 to 18 years of age inclusive.

In round numbers one-fourth of the whole are under 16, and four-fifths are under 21 years of age.

Only two children under 10 years of age are found at work, these being both 8 years of age, and working in Chicago; there are only eleven under 12, and thirty-five out of 569 under 14 years of age. It should be borne in mind that this is not a special enquiry on the subject of child-labor in the factories or cities of the State, but merely a summary of such deductions as are afforded by the consideration of 2,129 average families of workingmen from the State at large.

To show the geographical distribution of the children under consideration the following table is prepared, giving the number in each place and their ages.

TABLE XXIII.—*Showing the location of the Children at Work, their number and ages.*

| PLACES. | Whole num- ber..... | 10 years old and under. | 11 years old. | 12 years old. | 13 years old. | 14 years old. | 15 years old. | Whole num- ber under 16 | 16 years old and over.... |
|---------------------|------------------------|----------------------------|---------------|---------------|---------------|---------------|---------------|----------------------------|------------------------------|
| Alma..... | 5 | | | | | | | | 5 |
| Alton..... | 21 | | | | 4 | | 3 | 8 | 13 |
| Aurora..... | 14 | | | | | 4 | 1 | 1 | 13 |
| Bartonville..... | 7 | | | | | 1 | | 1 | 6 |
| Belleville..... | 11 | | 1 | | | | 2 | 3 | 8 |
| Bloomington..... | 19 | | | | 1 | | | 1 | 18 |
| Carlinville..... | 4 | | | | | | | | 4 |
| Caseyville..... | 2 | | | | | | | | 2 |
| Centralla..... | 11 | | | | 1 | | 1 | 2 | 9 |
| Champaign..... | 30 | | | | | 3 | 4 | 7 | 23 |
| Chicago..... | 100 | 5 | 1 | 6 | 1 | 11 | 9 | 33 | 67 |
| Coal City..... | 6 | | | | | 1 | 1 | 2 | 4 |
| Colinsville..... | 6 | | | | | | 2 | 2 | 4 |
| Danville..... | 35 | | | | | 4 | 5 | 9 | 26 |
| DuQuoin..... | 3 | | | | | 1 | | 1 | 2 |
| East St. Louis..... | 18 | | 1 | | 1 | 1 | 1 | 4 | 14 |
| Ellet..... | 4 | | | | 1 | | 1 | 2 | 2 |
| Equality..... | 4 | | | | | 1 | | 1 | 3 |
| Freeport..... | 9 | | | 2 | | 2 | | 4 | 5 |
| Fulton..... | 3 | | | | | 1 | | 1 | 2 |
| Galena..... | 24 | | | | | | 1 | | 23 |
| Galesburg..... | 15 | 1 | | 4 | 1 | 3 | 3 | 12 | 3 |
| Gardner..... | 8 | | | | | 1 | 2 | 3 | 5 |
| Jacksonville..... | 5 | | | | | | | | 5 |
| Joliet..... | 24 | 2 | | 3 | 1 | 5 | | 11 | 13 |
| Mattoon..... | 13 | | | | | | 1 | 1 | 12 |
| Moline..... | 26 | | | | 1 | 1 | 3 | 5 | 21 |
| Pekin..... | 4 | | | | | 1 | 1 | 1 | 3 |
| Peoria..... | 55 | | | 1 | | 2 | 9 | 12 | 43 |
| Peoria County..... | 8 | | | | | | 1 | 1 | 7 |
| Pontiac..... | 11 | | | | | 1 | | 1 | 10 |
| Quincy..... | 2 | | | | | | 2 | 2 | |
| Kentchler..... | 1 | | | | | | | | 1 |
| Rock Island..... | 12 | | | | | 1 | | 1 | 11 |
| Springfield..... | 9 | | | | | | | | 9 |
| Sterling..... | 15 | | | | | | 1 | 1 | 14 |
| Streator..... | 16 | | | | | 3 | 1 | 4 | 12 |
| Summerfield..... | 1 | | | | | 1 | | 1 | |
| Urbana..... | 8 | | | | | | | | 8 |
| Totals..... | 569 | 8 | 3 | 16 | 9 | 48 | 55 | 139 | 430 |

This indicates the exact location of the 569 children, and affords a new arrangement as to their ages, which still further emphasizes the smallness of the number of the young children engaged at labor for wages.

Another analysis shows the relative number of all the children who are reported as at home, at school, and at work. Those reported as at home are understood to be engaged in household duties, or pleasures according to ages, but as not attending school or going out to work.

TABLE XXIV—*Showing the number of Children in each place at Work, at School, and at Home.*

| PLACES. | No. of fam- ilies in which there are children.... | Whole num- ber of chil- dren..... | NUMBER OF CHILDREN | | |
|---------------------|--|---|--------------------|-----------|---------|
| | | | At work | At school | At home |
| Alena..... | 5 | 12 | 5 | 6 | 1 |
| Alton..... | 45 | 152 | 21 | 71 | 60 |
| Aurora..... | 67 | 173 | 14 | 94 | 65 |
| Bartonville..... | 13 | 53 | 7 | 29 | 22 |
| Belleville..... | 54 | 174 | 11 | 85 | 82 |
| Bloomington..... | 52 | 156 | 19 | 85 | 52 |
| Carlinville..... | 14 | 51 | 4 | 24 | 23 |
| Caseyville..... | 4 | 22 | 2 | 15 | 5 |
| Centralla..... | 41 | 90 | 11 | 37 | 42 |
| Champaign..... | 72 | 223 | 30 | 96 | 97 |
| Chicago..... | 303 | 982 | 100 | 380 | 502 |
| Coal City..... | 15 | 46 | 6 | 18 | 22 |
| Collinsville..... | 26 | 79 | 6 | 18 | 55 |
| Danville..... | 113 | 342 | 35 | 165 | 142 |
| DuQuoin..... | 13 | 84 | 3 | 18 | 13 |
| East St. Louis..... | 72 | 213 | 18 | 63 | 112 |
| Elgin..... | 13 | 26 | 4 | 12 | 10 |
| Equality..... | 30 | 72 | 4 | 28 | 40 |
| Freeport..... | 15 | 55 | 9 | 31 | 15 |
| Fulton..... | 10 | 28 | 3 | 13 | 12 |
| Galena..... | 43 | 152 | 24 | 70 | 58 |
| Galesburg..... | 49 | 124 | 15 | 63 | 46 |
| Gard er..... | 25 | 81 | 8 | 32 | 41 |
| Gartside..... | 5 | 11 | ..... | 7 | 4 |
| Jacksonville..... | 44 | 103 | 5 | 39 | 59 |
| Joliet..... | 43 | 173 | 24 | 78 | 76 |
| Lincoln..... | 4 | 13 | ..... | 4 | 9 |
| Mattoon..... | 29 | 88 | 13 | 50 | 25 |
| Moline..... | 114 | 304 | 26 | 117 | 161 |
| Mt. Pulaski..... | 2 | 8 | ..... | 4 | 4 |
| Pekin..... | 24 | 57 | 4 | 15 | 38 |
| Peoria..... | 154 | 407 | 55 | 160 | 192 |
| Peoria County..... | 22 | 69 | 8 | 40 | 21 |
| Pontiac..... | 33 | 109 | 11 | 46 | 52 |
| Quincy..... | 13 | 32 | 2 | 14 | 16 |
| Rantchler..... | 1 | 2 | 1 | 1 | ..... |
| Rock Falls..... | 4 | 14 | ..... | 9 | 5 |
| Rock Island..... | 85 | 263 | 12 | 129 | 123 |
| Springfield..... | 23 | 96 | 9 | 49 | 38 |
| Sterling..... | 48 | 155 | 15 | 78 | 62 |
| Streator..... | 48 | 162 | 16 | 66 | 80 |
| Summerfield..... | 1 | 7 | 1 | 4 | 2 |
| Urbana..... | 16 | 55 | 8 | 27 | 20 |
| Totals..... | 1,812 | 5,482 | 569 | 2,410 | 2,503 |
| Percentages..... | ..... | ..... | 10+ | 44 | 45+ |

This table gives the whole number of families having children, which is 1,812 out of 2,129; the whole number of those children, which is 5,482; and distributes them into the three classes indicated, showing 10 per cent. at work, 44 per cent. at school, and 46 per cent. at home. As compared with these results, we find that in Massachusetts* there are 26 per cent. of the children of all ages at work, 44 per cent. at school, and 30 per cent. at home, which shows that while the same proportion is kept at school in the two States, the proportion at work in the latter is much larger, and is recruited from those who, in this State, are variously occupied in domestic duties or pleasures at home.

In addition to the foregoing local distribution of the 5,482 children under consideration, we also present a classification of the same with regard to the nationality of the parents, in connection with the same arrangement by ages, as follows:

TABLE XXV—*Showing the Nationality of the Parents whose Children are at Work.*

| AGES. | No. of children at work of all nationalities..... | PARENTAGE. | | | | | | | | | | | |
|-----------------------------|---|---------------|--------------|-------------|------------|------------|-------------|-------------------|-------------|-------------|-------------|---------------|--------------|
| | | American..... | English..... | Scotch..... | Irish..... | Welsh..... | German..... | Scandinavian..... | Danish..... | Polish..... | French..... | Bohemian..... | Colored..... |
| 10 years old and under..... | 8 | 3 | | | | | 2 | 2 | | | | | 1 |
| 11 | 3 | | 1 | | | | 1 | 1 | | | | | |
| 12 | 16 | 4 | | | 5 | | 2 | 2 | | | | | |
| 13 | 9 | 2 | 2 | | 1 | | 3 | 3 | | | | | 1 |
| 14 | 48 | 15 | 6 | 2 | 9 | 1 | 10 | 3 | | | | | 2 |
| 15 | 55 | 15 | 5 | 3 | 9 | 2 | 15 | 4 | | | 1 | | 2 |
| 16 | 39 | 37 | 7 | 9 | 15 | | 12 | 5 | | | 1 | | 3 |
| 17 | 71 | 26 | 12 | 3 | 20 | 2 | 3 | 3 | | | | 1 | 1 |
| 18 | 79 | 36 | 8 | 3 | 13 | | 11 | 4 | 1 | | 1 | 2 | |
| 19 | 33 | 12 | 5 | 1 | 10 | | 6 | 1 | | | 3 | | 1 |
| 20 | 69 | 27 | 6 | 3 | 19 | 1 | 9 | 2 | | | 1 | 1 | |
| 21 | 23 | 7 | 3 | 1 | 7 | | 3 | 1 | | 1 | | | |
| 22 | 20 | 6 | 4 | 2 | 7 | | | | | | | 1 | |
| 23 | 5 | 3 | | | 1 | | | | | | | | |
| 24 | 14 | 4 | | 1 | 6 | | 1 | 2 | | | | | |
| 25 | 6 | 3 | | | 1 | | | | | | | | |
| 26 | 7 | 1 | 2 | 1 | 3 | | | | | | | | |
| 27 | 3 | 3 | | | | | | | | | | | |
| 28 | 1 | | | | 1 | | | | | | | | |
| 29 | 4 | 1 | 2 | | 1 | | | | | | | | |
| Totals..... | 569 | 205 | 63 | 29 | 127 | 7 | 77 | 32 | 3 | 1 | 7 | 7 | 11 |
| Under 16 years of age..... | 139 | 39 | 14 | 5 | 24 | 3 | 30 | 14 | 2 | | 1 | 1 | 6 |
| Per cent. of the whole..... | 24 | 19 | 27 | 17 | 18 | 43 | 40 | 44 | 66 | | 14 | 14 | 54 |

* Report of 1875.

From this it appears that 205, or 36 per cent. of the children, have American parentage; that 226, or 40 per cent., have parents native to Great Britain, and 77, or 13+ per cent., are of German extraction, the parents of the remainder being of various nationalities. The number of those of each race who are under 16 years of age is also given, with the percentage of the same to the whole. As to the leading races, it is shown that while 24 per cent. of all the working children are under 16 years of age, only 19 per cent. of those of American parents are in that class, and of the children of foreign parents 30 per cent. are at work before reaching their sixteenth year.

Classifying these children further according to the nationality of parents, we arrive at the following results as to the relative numbers of each race who are at work, at school, and at home:

TABLE XXVI.—*Showing the number of Children of each nationality who are at Work, at School, and at Home.*

| NATIONALITY. | Whole No. | At work. | At school | At home. |
|-------------------|-----------|----------|-----------|----------|
| American..... | 3,282 | 219 | 974 | 1,089 |
| German..... | 974 | 119 | 448 | 407 |
| Irish..... | 898 | 78 | 413 | 407 |
| English..... | 487 | 59 | 212 | 166 |
| Scandinavian..... | 354 | 31 | 139 | 164 |
| Scotch..... | 230 | 28 | 107 | 95 |
| Welsh..... | 56 | 6 | 26 | 24 |
| Canadians..... | 35 | ..... | 10 | 25 |
| French..... | 67 | 8 | 30 | 29 |
| Danes..... | 25 | 3 | 10 | 12 |
| Italians..... | 32 | ..... | 3 | 29 |
| Bohemians..... | 41 | 6 | 17 | 18 |
| Poles..... | 7 | ..... | 1 | 6 |
| Swiss..... | 21 | 2 | 8 | 11 |
| Colored..... | 43 | 10 | 12 | 21 |
| Totals..... | 5,482 | 569 | 2,410 | 2,503 |

In this presentation 9 per cent. of the children of American parents are found at work, 43 per cent. at school and 48 per cent. at home, while of the descendants of the natives of Great Britain 10 per cent. are at work, 46 per cent. at school, and 44 per cent. at home. The German families show 12 per cent. of their children at work, 46 per cent. at school, and 42 per cent. at home. Other interesting facts relative to children of different antecedents may be developed upon further examination of this table.

A final grouping of children, characterized by the occupation of parents, completes our consideration of the earnings and general status of the children of workingmen's families. This table indicates in some measure the influence of the employment of the father upon the development of the child, so far at least as that is affected by the necessity for labor or by opportunities for attending school.

TABLE XXVII—*Showing the number of Children by trade classification who are at Work, at School and at Home.*

| OCCUPATION. | Whole No. of children | At work... | At school... | At home... |
|---------------------------|--------------------------|------------|--------------|------------|
| Building trades..... | 674 | 73 | 326 | 275 |
| Shop trades..... | 1,109 | 117 | 514 | 478 |
| Metal trades..... | 601 | 45 | 279 | 277 |
| Railroad employes..... | 212 | 11 | 84 | 117 |
| Coal mine employes..... | 827 | 104 | 341 | 382 |
| Out-door occupations..... | 1,525 | 168 | 626 | 731 |
| In-door occupations..... | 477 | 43 | 211 | 223 |
| Foremen, etc..... | 57 | 8 | 29 | 20 |
| Totals..... | 5,482 | 569 | 2,410 | 2,503 |

Upon examination of these figures we find that the building and shop trades show 10 per cent. of the children at work; that among the metal workers, embracing many of the best paid classes, only 7 per cent. of the children are at work, while in out-door occupations and coal mine employments there are 13 per cent. at work. The percentage of those at school is also greatest in the skilled trades and smallest in the unskilled.

Without further elaboration of the details which may be derived from this series of tables by any careful examiner, we may recapitulate some of the leading deductions made in reference to the earnings of wives and children of workingmen, and to what extent the industrial classes in the State are dependent upon them, as follows:

1. Ten per cent. of the gross earnings of 2,129 families is derived from the labor of wives, outside their domestic duties, and of children of all ages.

2. Selecting 1,528 families in 26 different occupations, we find only 8 per cent. of their gross earnings derived from this source.

3. Out of 2,129 families, 511, or 24+ per cent., make use of wife or child labor, but only 400 or 18+ per cent. are forced to depend upon the proceeds of such labor for support, the remainder making comfortable incomes and annual savings by the aid of it.

4. In the whole number of families we find 5 per cent. assisted by the wages of wives, and 19 per cent. assisted by the wages of children.

5. The wives earn an average of \$197.45 per annum, which is 25+ per cent. of the average total income of their respective families. In 83 per cent. of the cases these earnings are essential to the family support; and one-third of them, or 30 per cent. of all the families in which the wives are at work, fail to make a living.

6. The children of all ages earn an average of \$276 per family, or 36 per cent. of the total income of those families, but only one-fourth of these are under 16 years of age, and their earnings constitute only .098 per cent. of the total earnings of all children.

7. Of all the families assisted by the earnings of children (421) two-thirds earn more than they expend, one-half the remainder is in debt, and the other half comes out even at the end of the year.

8. Eighty per cent. of the families in which children under 16 years of age are at work are actually dependent upon the earnings of those children for support.

9. Of the whole 5,482 children in the 2,129 families visited, 10 per cent. are at work, 44 per cent. are at school, and 46 per cent. at home.

10. Eighty-two per cent. of all families are supported by the earnings of the head of the family, and 18 per cent. require and receive the assistance of wives or children. The average earnings of working wives is 25 per cent., and of working children 36 per cent. of the total family income.

This completes the analysis of the sources of the income upon which the families of workingmen subsist; but as the amount and character of earnings have but little significance except as compared with expenses, we next proceed to an examination of the family expenditures as a whole and in detail.

CHAPTER IV.

ANALYSIS OF THE FAMILY EXPENDITURES.

In pursuing our enquiries among workingmen we have endeavored to ascertain as many details in regard to their economic condition as possible, without intruding too closely upon purely personal affairs; and in addition to facts relating to their earnings, have procured a comparatively full record of the nature of the expenses which devolve upon families in various occupations and places.

The general division of the expense account is into twelve items: Rent, Fuel, Meat, Groceries, Clothing, Boots and Shoes, Dry Goods, Books, Papers, etc., Life Insurance, Trades Unions, Sickness, and Sundries; and although the uniformity of the returns in all these respects is not perfect, we still obtain a large number in which all these items are given with approximate exactness.

In the general table (XII), which embraces the record of each family in full, footings and averages are made for each occupation, where the details are sufficiently full to admit of legitimate averages, but as in many instances the expense items require special computations in order to arrive at their real proportions, we undertake in the present chapter to analyze them separately, and show what proportion of the whole cost of living is legitimately chargeable to each of the several accounts.

Some difficulty has been experienced in obtaining the specific amounts expended for meat and groceries, as cured meats are largely sold in connection with groceries, and usually enter into the groceries account. Likewise in regard to dry-goods, clothing and boots and shoes, the expenditure for these is not unfrequently given in one sum under the general head of clothing, so that some special examination of the two items, groceries and clothing, is essential to

correct deductions as to the average outlay for these purposes. In regard to the other items, however, there is no obscurity of this sort, as they are sufficiently distinctive in themselves to readily admit of separate estimates.

In general the classification of expenses adopted here covers all those common to every family; but in addition to ordinary living expenses we have made some enquiry on the subject of maintaining life insurance and labor organizations. Although the outlay for these purposes is by no means general, and comparatively few families add these to their items of expense, we are still able, by an inspection of the returns made, to derive some very interesting and suggestive information on these subjects, which abundantly compensates for the enquiry.

In considering the general features of the expense account we find they resolve themselves into four general heads: Shelter, Subsistence, Clothing, and Miscellaneous. Under the first we consider both rent and fuel, as essentially allied in their object of affording comfortable housing; under the second, all food supplies; under the third, dry-goods, clothing, boots and shoes; and under the general head, Miscellaneous, all items not otherwise classified.

SHELTER.

Our first object, therefore, is to arrive at the average cost to the workingman of the necessary shelter for his family. To show this we present two tables giving the average cost of rent and of fuel in different localities, and the average amounts expended for these purposes by people engaged in the different occupations.

To make the various conditions as definite as possible we give, in Table I, the size of the town in which the families live, the number of families on which the averages are based, the average size of the families, and the average number of rooms in the tenements occupied. These conditions being given, we show the average annual rental paid, and the average amount expended yearly for fuel per family in each of 43 different localities. In addition to this it is further shown what proportion of workingmen own the homes in which they live, and what proportion pay rent.

TABLE I.—Showing the average cost of Rent and Fuel, to families of Workingmen, in various Cities and Towns of Illinois.

| PLACES. | Population..... | Average size of families..... | Average size of houses..... | No. owned..... | No. rented..... | ANNUAL RENTAL. | ANNUAL COST OF FUEL. |
|---------------------|-----------------|-------------------------------|-----------------------------|----------------|-----------------|----------------|----------------------|
| | | | | | | Per family. | Per family. |
| Alma..... | 165 | 4.4 | 3.6 | ..... | 5 | \$67 00 | \$23 60 |
| Alton..... | 8,978 | 5.8 | 3.75 | 14 | 74 | 69 00 | 22 39 |
| Aurora..... | 11,875 | 3.9 | 4.86 | 41 | 62 | 112 00 | 54 50 |
| Bartonville..... | 450 | 6.4 | 3.9 | ..... | 13 | 66 00 | 11 53 |
| Belleville..... | 10,682 | 4.8 | 3.38 | 12 | 51 | 96 00 | 23 40 |
| Bloomington..... | 17,184 | 4.1 | 3.66 | 52 | 20 | 91 00 | 33 43 |
| Carlinville..... | 3,118 | 5.4 | 3.7 | 6 | 10 | 60 00 | 28 73 |
| Caseyville..... | 960 | 7.5 | 3.75 | ..... | 4 | 75 00 | 12 25 |
| Centralia..... | 3,621 | 3.9 | 4.26 | 24 | 25 | 86 00 | 31 83 |
| Champaign..... | 5,146 | 4.3 | 4.8 | 51 | 47 | 81 00 | 34 39 |
| Chicago..... | 503,305 | 4.8 | 3.92 | 25 | 329 | 134 00 | 35 73 |
| Coal City..... | 569 | 5.2 | 3.73 | 6 | 9 | 58 00 | 28 78 |
| Collinsville..... | 2,839 | 4.7 | 3.51 | 8 | 21 | 73 00 | 14 84 |
| Danville..... | 7,735 | 4.5 | 3.17 | 55 | 76 | 67 00 | 25 00 |
| DuQuoin..... | 2,908 | 4.0 | 3.79 | 4 | 13 | 55 00 | 17 06 |
| East St. Louis..... | 10,000 | 3.3 | 3.69 | 20 | 73 | 126 00 | 27 51 |
| Elgin..... | 8,789 | 3.9 | 5.12 | 7 | 116 | 43 72 | 23 97 |
| Equality..... | 500 | 4.4 | 2.56 | 5 | 27 | 36 00 | 52 77 |
| Freeport..... | 8,516 | 4.9 | 5.42 | 10 | 9 | 88 00 | 31 37 |
| Fulton..... | 1,733 | 5.0 | 4.66 | 8 | 4 | 59 00 | 34 99 |
| Galena..... | 6,454 | 4.0 | 3.16 | 34 | 16 | 101 00 | 33 90 |
| Galesburg..... | 11,446 | 4.1 | 4.57 | 22 | 34 | 61 00 | 31 53 |
| Gardner..... | 786 | 5.0 | 4.07 | 6 | 21 | 62 00 | 22 80 |
| Gartside..... | 103 | 4.2 | 3.2 | ..... | 5 | 90 00 | 33 18 |
| Jacksonville..... | 10,927 | 3.7 | 4.08 | 19 | 42 | 105 00 | 43 84 |
| Joliet..... | 11,659 | 5.5 | 5.08 | 26 | 23 | 66 00 | 17 50 |
| Lincoln..... | 5,639 | 4.5 | 2.75 | 18 | 18 | 85 00 | 31 23 |
| Mattoon..... | 5,742 | 4.4 | 3.75 | 48 | 90 | 92 00 | 37 77 |
| Moline..... | 7,805 | 3.8 | 4.5 | 2 | 2 | 76 10 | 22 00 |
| Mt. Pulaski..... | 1,127 | 4.5 | 3.48 | 8 | 21 | 60 00 | 21 88 |
| Peoria..... | 5,998 | 4.5 | 3.53 | 43 | 121 | 87 00 | 25 36 |
| Peoria County..... | 29,219 | 5.0 | 3.74 | 4 | 18 | 71 00 | 18 48 |
| Pontiac..... | 2,243 | 4.4 | 5.5 | 26 | 12 | 77 00 | 43 38 |
| Quincy..... | 27,255 | 5.0 | 4.35 | 1 | 13 | 109 00 | 40 73 |
| Rentchler..... | 148 | 3.5 | 2 | ..... | 2 | 48 00 | 43 75 |
| Rock Falls..... | 894 | 5.7 | 4.5 | 2 | 2 | 84 00 | 30 71 |
| Rock Island..... | 11,661 | 4.7 | 3.89 | 34 | 64 | 83 00 | 36 90 |
| Springfield..... | 19,746 | 5.1 | 4.06 | 17 | 16 | 99 00 | 45 71 |
| Stirling..... | 5,089 | 5.2 | 5.68 | 27 | 24 | 78 00 | 12 57 |
| Streator..... | 5,158 | 4.1 | 3.76 | 33 | 17 | 48 00 | 25 00 |
| Sumnerfield..... | 751 | 9.0 | 3 | ..... | 1 | 78 00 | 35 70 |
| Urbana..... | 2,943 | 5.1 | 4.52 | 13 | 4 | ..... | ..... |
| Totals..... | ..... | ..... | ..... | 730 | 1,399 | ..... | ..... |
| Averages..... | ..... | 4.62 | 4.07 | ..... | ..... | \$96 83 | \$31 22 |

An inspection of these figures shows that for the State at large an average of \$96.83 is paid per annum for a house containing an average of 4.07 rooms. In even figures this may be stated as \$8 a month for a house of four rooms; exactly computed it gives us, as the average rental paid by workingmen in Illinois, \$1.98 per month per room. In the manufacturing towns of Massachusetts the average rental per room is \$2.86 per month.

But an average for the State is of small interest as compared with that of specific localities.

Examined with this object the table gives us as the highest average rental, \$134 per annum. paid in Chicago,—the average size of tenements being 3.92 rooms, or somewhat less than the general average. The smallest rental and the smallest houses are reported from Equality, a small mining village in the southern extremity of the State. Here we have an average rental of \$3 a month for miners' cottages averaging less than three rooms each. In order that the relative size of tenements in different places may receive due consideration in estimating the comparative cost of house rent, we may compute the specific amount paid in each place per room, and thus obtain a basis on which to fix the average rental for houses of any size. In exact figures we find the monthly rental paid by the industrial classes in Chicago is at the rate of \$2.85 per room, in East St. Louis it is \$2.84, in Springfield \$2.66, in Quincy \$2.09, in Peoria \$2.05, in Aurora \$1.92, in Elgin \$1.88, in Galesburg \$1.84, in Joliet \$1.72, and the specific figures for other places may readily be computed from the table. Similarly the relation between the size of the family and the size of the house may be arrived at, showing the number of persons to each room, and the cost of rent per capita.

In regard to the annual cost of the fuel necessary to make these houses inhabitable, we find the amounts varying from about \$12 to \$50 per family, with an average for the State of \$31.22. In general the increased cost of fuel will be found to correspond with the increased distance from the coal fields. The lowest amounts reported are from the families of coal miners, and the larger amounts are found at points in the northern part of the State where the cost of coal is augmented by transportation charges. Fuel in Chicago is lower than at many interior points not more remote from the source of supply, because of the greater competition in that market. In examining the figures referring to the cost of fuel, reference should be had to the differences in latitude, which are very marked in this State, and also to the average size of houses as shown in another column, in order to arrive at the just proportions of the fuel account.

The facts shown here in regard to the number of house-owners among the workingmen whom we have visited are worthy of special note. Out of 2,129 families we have found 730, or 34+ per cent., sheltered by their own roofs. We find, however, rather more than

the usual disparity between different localities in this regard. In Chicago for instance there are only 25 out of 354 families, or 7 per cent., living in homes of their own, and in twelve mining villages only 27 out of 159, or 17 per cent., who own their houses. On the other hand, in twelve of our principal towns represented by 659 families, over one-half, or 56 per cent., are free-holders, and in nineteen towns represented by 1,155 families 48+ per cent. are independent of the landlord and have possessions in houses and land. These nineteen places are pretty evenly distributed over the State and embrace many of our most thriving industrial communities. We make the following tabulation of these places, showing, in connection with the facts in regard to house ownership, the average earnings and expenses reported for the same places:

| PLACES. | Whole number of families.. | No. of house-owners..... | No. of renters. | Ave'ge annual earnings..... | Average annual expenses..... |
|-------------------|----------------------------|--------------------------|-----------------|-----------------------------|------------------------------|
| Aurora..... | 93 | 41 | 52 | \$596 | \$539 |
| Bloomington..... | 72 | 52 | 20 | 464 | 384 |
| Centralia..... | 49 | 24 | 25 | 595 | 529 |
| Champaign..... | 98 | 51 | 47 | 597 | 497 |
| Danville..... | 131 | 55 | 76 | 504 | 326 |
| Elgin..... | 16 | 9 | 7 | 623 | 514 |
| Freeport..... | 19 | 10 | 9 | 618 | 562 |
| Galena..... | 50 | 34 | 16 | 486 | 407 |
| Galesburg..... | 56 | 22 | 34 | 570 | 527 |
| Jacksonville..... | 61 | 19 | 42 | 639 | 516 |
| Joliet..... | 49 | 26 | 23 | 671 | 578 |
| Mattoon..... | 36 | 18 | 18 | 696 | 525 |
| Moline..... | 138 | 48 | 90 | 528 | 476 |
| Pontiac..... | 38 | 26 | 12 | 726 | 531 |
| Rock Island..... | 98 | 31 | 64 | 530 | 481 |
| Springfield..... | 33 | 17 | 16 | 760 | 658 |
| Sterling..... | 51 | 27 | 24 | 544 | 474 |
| Streator..... | 50 | 33 | 17 | 567 | 574 |
| Urbana..... | 17 | 13 | 4 | 797 | 602 |
| Totals..... | 1,155 | 569 | 596 | \$623 | \$511 |

In Peoria, the second city in the State in population, 35 per cent. are reported as owning their homes.

As compared with other coal mining communities the reports from Streator are noticeable as affording a very gratifying contrast in this respect. Whereas in twelve mining towns in our list there are only 17 per cent. owning houses, we find in Streator that 66 per cent. live in houses of their own.

Our next table on the subject of rent and fuel consists of a trade classification designed to show the amounts expended for these necessities by those engaged in different occupations. While this is not of such vital interest or significance as the showing in regard to localities, the tabulation is valuable as supplementing the preceding table, and as confirming our general averages. This table also gives the size of families, the size of the houses they live in, the annual rental and cost of fuel for the same, and the number in each occupation who own their homes. To economize space, we omit such occupations as do not have a representation of at least five families, and thus reduce the number of occupations about half, while presenting all the more common and representative trades.

TABLE II.—*Showing the average cost of Rent and Fuel to Workers in the different Occupations, with average size of Families and of Tenements.*

| OCCUPATIONS. | No. of families. | Average size of families..... | Av. No. rooms occupied per family..... | No. who own their homes.. | No. who rent.... | ANNUAL RENTAL. | ANNUAL COST OF FUEL. |
|-----------------------------|------------------|-------------------------------|--|---------------------------|------------------|----------------|----------------------|
| | | | | | | Per family. | Per family. |
| Bakers..... | 14 | 4.79 | 3.43 | 2 | 12 | \$98 00 | \$24 21 |
| Barbers..... | 18 | 3.61 | 4 16 | 2 | 16 | 98 40 | 36 33 |
| Baggage-men..... | 5 | 4.2 | 3.8 | 3 | 3 | 136 00 | 35 40 |
| Boiler makers..... | 9 | 5.77 | 5.11 | 5 | 4 | 98 00 | 42 89 |
| Blacksmiths..... | 75 | 4.66 | 4.62 | 32 | 43 | 107 60 | 36 46 |
| Blacksmith helpers..... | 7 | 4.45 | 4.14 | 6 | 1 | 60 00 | 36 30 |
| Brakeman..... | 5 | 4 4 | 4 2 | ..... | 5 | 85 50 | 36 00 |
| Bookkeepers..... | 5 | 3.8 | 5.2 | 5 | ..... | ..... | 54 60 |
| Brass workers..... | 6 | 4.16 | 3.66 | 1 | 5 | 102 00 | 29 00 |
| Brewers..... | 5 | 6 | 3.2 | 1 | 4 | 93 00 | 19 00 |
| Brick layers..... | 46 | 4 26 | 4 54 | 26 | 20 | 118 50 | 40 59 |
| Brick makers..... | 5 | 4 2 | 4 6 | 2 | 3 | 80 00 | 30 00 |
| Bridge builders..... | 5 | 4 2 | 4 8 | ..... | 5 | 60 00 | 33 40 |
| Butchers..... | 27 | 5.07 | 3.92 | 9 | 18 | 108 66 | 27 74 |
| Cabinet makers..... | 15 | 3.87 | 5.53 | 9 | 6 | 94 00 | 40 20 |
| Car builders..... | 5 | 5 6 | 5 4 | ..... | 5 | 129 60 | 55 20 |
| Car inspectors..... | 6 | 4.16 | 3.66 | 1 | 5 | 108 00 | 22 66 |
| Car repairers..... | 8 | 4.62 | 4.62 | 5 | 3 | 134 00 | 35 00 |
| Carpenters..... | 111 | 4.43 | 4.75 | 50 | 61 | 99 24 | 36 30 |
| Carriage makers..... | 5 | 5 | 4 | 3 | 2 | 123 00 | 33 80 |
| Carriage painters..... | 7 | 3 | 3.57 | 2 | 5 | 105 60 | 34 57 |
| Cigar makers..... | 79 | 3.83 | 3.67 | 11 | 68 | 105 23 | 30 16 |
| Clerks..... | 46 | 3.98 | 4.78 | 20 | 26 | 119 61 | 38 30 |
| Coal miners..... | 232 | 4 98 | 3.41 | 70 | 162 | 63 63 | 19 86 |
| Coopers..... | 22 | 5.23 | 3.95 | 3 | 19 | 98 00 | 30 86 |
| Curriers..... | 7 | 4.71 | 3.29 | 1 | 6 | 100 00 | 38 71 |
| Engineers (locomotive)..... | 12 | 4.42 | 6 4 | 4 | 8 | 168 00 | 46 66 |
| Engineers (stationary)..... | 30 | 4.63 | 4.3 | 12 | 18 | 93 94 | 32 33 |
| Express drivers..... | 7 | 6 | 4.57 | 1 | 6 | 136 00 | 41 57 |
| Firemen (locomotive)..... | 16 | 4 06 | 4 81 | 4 | 12 | 114 50 | 46 16 |
| Firemen (stationary)..... | 9 | 5.55 | 3.88 | 1 | 8 | 81 25 | 22 55 |
| Foremen..... | 15 | 5 3 | 6.13 | 10 | 5 | 238 80 | 51 00 |
| Harness makers..... | 31 | 3.87 | 4.23 | 7 | 24 | 119 00 | 33 90 |
| Iron and steel workers..... | 13 | 5 38 | 5.92 | 8 | 5 | 96 60 | 45 77 |
| Laborers..... | 397 | 4.57 | 3.48 | 136 | 261 | 75 14 | 27 12 |
| Laborers (railroad)..... | 16 | 5 31 | 2.62 | 1 | 15 | 95 47 | 25 69 |
| Laborers (coal mine)..... | 19 | 4.42 | 3.63 | 7 | 12 | 64 00 | 17 53 |
| Lumber handlers..... | 7 | 5 | 3.43 | ..... | 7 | 88 57 | 29 29 |
| Machinists..... | 35 | 4.57 | 4.14 | 11 | 24 | 103 28 | 31 86 |
| Machinists (railroad)..... | 7 | 5 29 | 4.86 | 4 | 3 | 122 00 | 26 14 |
| Malsters..... | 5 | 3.8 | 3 | 1 | 4 | 81 00 | 23 60 |
| Marble workers..... | 17 | 4.29 | 3.65 | ..... | 17 | 85 76 | 29 82 |

Table II.—Continued.

| OCCUPATIONS. | No. of families. | Average size of families..... | Av. No. rooms occupied per family..... | No. who own their homes.. | No. who rent... | ANNUAL RENTAL. | ANNUAL COST OF FUEL. |
|-----------------------------|------------------|-------------------------------|--|---------------------------|-----------------|----------------|----------------------|
| | | | | | | Per family. | Per family. |
| Millers | 16 | 3.94 | 4 | 3 | 13 | \$120 00 | \$30 31 |
| Moulders | 49 | 4.31 | 4 41 | 11 | 38 | 120 16 | 37 20 |
| Nailers | 7 | 4.43 | 5 71 | 2 | 5 | 162 00 | 35 57 |
| Painters | 62 | 4.19 | 4 2 | 19 | 43 | 103 00 | 37 52 |
| Paper hangers | 6 | 6 5 | 4 5 | 5 | 1 | 84 00 | 32 66 |
| Pattern makers | 9 | 4.11 | 4 89 | 6 | 3 | 68 00 | 48 78 |
| Pit bosses | 6 | 5.16 | 5 4 | ----- | 5 | 68 00 | 25 00 |
| Plasterers | 23 | 4.73 | 4 87 | 8 | 15 | 128 66 | 32 43 |
| Plow-factory men | 7 | 5.43 | 5 43 | 5 | 2 | 110 00 | 35 71 |
| Plumbers | 10 | 3 | 3 14 | 2 | 8 | 81 00 | 29 43 |
| Printers | 26 | 3 81 | 4 31 | 7 | 19 | 139 57 | 39 38 |
| Quarrymen | 5 | 6 6 | 4 | 1 | 4 | 81 00 | 32 00 |
| Rollers | 5 | 5 4 | 4 4 | 1 | 4 | 144 00 | 46 00 |
| Rolling mill hands | 5 | 5 4 | 5 2 | 3 | 2 | 126 00 | 48 80 |
| Sawyers | 8 | 7 | 3 87 | 3 | 5 | 117 60 | 43 75 |
| Section bosses | 5 | 6 2 | 4 4 | 2 | 3 | 96 00 | 29 00 |
| Section men | 13 | 4 65 | 2 99 | 5 | 8 | 60 00 | 22 00 |
| Shoemakers | 32 | 5 41 | 4 66 | 19 | 13 | 106 77 | 38 31 |
| Stone masons | 19 | 4 53 | 4 76 | 13 | 6 | 106 00 | 31 68 |
| Stone cutters | 28 | 4 64 | 4 14 | 7 | 21 | 96 00 | 29 18 |
| Street-car conductors | 10 | 6 7 | 4 1 | ----- | 10 | 146 40 | 48 20 |
| Street-car drivers | 11 | 5 | 4 18 | 3 | 8 | 141 75 | 32 73 |
| Tailors | 16 | 5 6 | 5 5 | 10 | 6 | 119 00 | 44 69 |
| Teamsters | 66 | 4 23 | 3 3 | 19 | 47 | 81 49 | 25 52 |
| Tinners | 21 | 5 | 4 9 | 11 | 10 | 100 20 | 25 14 |
| Trackmen | 6 | 5 | 4 66 | 2 | 4 | 58 50 | 26 33 |
| Trunk makers | 5 | 4 6 | 3 2 | ----- | 5 | 124 80 | 31 00 |
| Upholsterers | 9 | 4 66 | 4 | 2 | 7 | 88 13 | 20 00 |
| Wagon makers | 12 | 4 58 | 5 58 | 5 | 7 | 94 29 | 31 00 |
| Watchmen | 7 | 4 43 | 4 | 3 | 4 | 169 00 | 33 00 |
| Wood machinists | 20 | 3 85 | 4 35 | 4 | 16 | 135 62 | 49 65 |
| Wood workers | 17 | 5 24 | 4 71 | 8 | 9 | 124 22 | 41 65 |
| Wipers | 5 | 4 8 | 2 8 | 3 | 2 | 72 00 | 19 80 |
| Totals | 1,957 | ----- | ----- | 668 | 1,289 | ----- | ----- |
| Averages | ----- | 4 64 | 4 3 | ----- | ----- | \$95 12 | \$31 55 |

Here are 1,957 families, in 75 occupations, the average number to each family being 4.64 persons, and the average number of rooms being 4.3 per family. These families pay an average rental for their four and one-third rooms of \$95.12 per annum, and expend for fuel to make them comfortable and to cook their food an average of \$31.55 per annum, which averages are substantially the same as those deduced in Table I.

In this consideration of expenses in different occupations it is to be expected that they will bear a very close relation to the amount of the annual earnings in the respective classes, and we are accordingly not surprised to find the foremen, as a class, paying the largest rental—\$19 a month—and occupying houses of six or more rooms, while coal miners pay only about \$5 a month and live in houses having little more than three rooms. The nature of the employment, however, will not afford any general index to the character of the dwellings occupied or the amounts paid for rent. These

are matters largely governed by circumstances outside of occupation, except as the latter regulates the amount of income. By reference to former tables the correspondence between the earnings of various classes and the size and cost of their houses can readily be traced.

In the matter of the average cost of fuel to workmen of different trades, the diversity in the amounts will be found to follow the average size of houses rather than the nature of the employment, though coal miners, and perhaps some others whose occupations may involve cheap fuel, are exceptions. We still have the same general average—\$31.55—for all classes, with the lowest \$17.53 for laborers about mines.

The separation, however, in this classification of those who own homes from those who do not, affords a new point of view from which to observe the facts on this important subject. We find the same percentage of house-owners obtains in this partial list, consisting of 1,957 families, as in the whole number—viz.: 34+ per cent.; but that in some occupations the percentage is noticeably greater. Among the trades most largely represented we have blacksmiths, bricklayers, carpenters, shoemakers, stone masons, tailors and tinnern, to the number of 327 families, 50 per cent. of whom are house-owners. Coal miners show 30 per cent. thus provided for, and laborers 33 per cent., while some of the trades showing the smallest number of property holders are bakers, barbers, cigar makers, coopers, curriers, firemen, marble workers, moulders, printers, stone cutters, street-car men and teamsters. These classes are represented by 372 families, and only 19 per cent. of them live in houses of their own.

The foregoing constitutes a sufficiently close consideration of these two items of expense—rent and fuel—to the average workingman, and develops the fact that the average outlay for the former is \$96.83 and for the latter \$31.22 per annum. These results are obtained from the specific figures given by 1,699 families who pay rent and by 2,129 who buy fuel. As will be seen later, the house rent constitutes 17.42 per cent. of the entire cost of living, and the fuel 5.63 per cent., the two making 22.68 per cent. of the whole expense.

SUBSISTENCE.

Under the general term subsistence we include meat and groceries, the latter embracing such minor articles of domestic use as are usually found in grocery stores, though not strictly food supplies. In our returns there are some which give definite and separate amounts for meat and for groceries, and others which give only the

whole amount expended for both. It is made necessary, therefore, to form two classifications in order to arrive at the true average for each of the two and for both. In the following table will be found, first, the number of families in each occupation, then the number who report separate amounts for meat and groceries, with the respective amounts for each, and finally the number who report both items under one sum and the sum so given. We thus arrive at the average for each as reported separately and the average for both as reported in one amount, and from these obtain a definite average confirmed by two computations.

TABLE III—Showing the average amounts expended for Meat and for Groceries by families in the different Occupations.

| OCCUPATIONS. | Whole number of families..... | No. who report specific sums for both meat and groceries..... | Whole amount paid for meat..... | Cost of meat per family..... | Whole amount paid for groceries..... | Cost of groceries per family..... | No. who report cost of meat and groceries in one amount..... | Whole amount paid for meat and groceries..... | Cost of meat and groceries per family..... |
|-----------------------------|-------------------------------|---|---------------------------------|------------------------------|--------------------------------------|-----------------------------------|--|---|--|
| Bakers..... | 14 | 5 | \$300 | \$60 | \$650 | \$130 | 9 | \$1,890 | \$210 |
| Barbers..... | 18 | 15 | 1,357 | 90 | 2,758 | 183 | 3 | 630 | 210 |
| Baggagemen..... | 5 | 4 | 349 | 87 | 617 | 161 | 1 | 168 | 168 |
| Boiler makers..... | 9 | 4 | 360 | 90 | 1,040 | 210 | 5 | 1,294 | 220 |
| Boiler-maker helpers..... | 1 | 1 | | | | | 1 | 100 | 100 |
| Bookbinders..... | 2 | 1 | 160 | 160 | 150 | 150 | 1 | 335 | 336 |
| Blacksmiths..... | 75 | 52 | 3,793 | 78 | 9,650 | 185 | 23 | 5,465 | 237 |
| Blacksmith helpers..... | 7 | 3 | 235 | 78 | 500 | 166 | 4 | 832 | 208 |
| Brakemen..... | 5 | 5 | 218 | 43 | 1,009 | 201 | | | |
| Bookkeepers..... | 5 | 5 | 350 | 70 | 970 | 194 | | | |
| Brass workers..... | 6 | 5 | 278 | 55 | 720 | 144 | 1 | 200 | 200 |
| Brewers..... | 5 | 3 | 359 | 119 | 550 | 183 | 2 | 220 | 110 |
| Brick layers..... | 46 | 36 | 3,255 | 90 | 7,512 | 208 | 10 | 2,214 | 221 |
| Brick makers..... | 5 | 4 | 220 | 55 | 564 | 141 | 1 | 260 | 260 |
| Bridge builders..... | 5 | 4 | 315 | 79 | 850 | 212 | 1 | 175 | 175 |
| Bridge tenders..... | 2 | 1 | 109 | 109 | 216 | 216 | 1 | 225 | 225 |
| Broom makers..... | 3 | 2 | 85 | 42 | 220 | 110 | 1 | 140 | 140 |
| Butchers..... | 27 | 9 | 645 | 71 | 1,220 | 135 | 18 | 3,336 | 185 |
| Cabinet makers..... | 15 | 11 | 675 | 61 | 1,591 | 144 | 4 | 800 | 200 |
| Cager..... | 1 | 1 | 96 | 96 | 300 | 300 | | | |
| Calceiminer..... | 1 | 1 | 25 | 25 | 210 | 210 | | | |
| Caller..... | 1 | 1 | 84 | 84 | 240 | 240 | | | |
| Car builders..... | 5 | 3 | 192 | 61 | 340 | 113 | 2 | 270 | 135 |
| Car inspectors..... | 6 | 4 | 275 | 68 | 654 | 163 | 2 | 528 | 164 |
| Car painters..... | 2 | 1 | 30 | 30 | 140 | 140 | 1 | 170 | 170 |
| Car repairers..... | 8 | 6 | 403 | 67 | 1,169 | 195 | 2 | 416 | 208 |
| Carpenters..... | 111 | 89 | 6,266 | 70 | 15,138 | 170 | 22 | 5,203 | 236 |
| Carrage makers..... | 5 | 1 | 50 | 50 | 200 | 200 | 4 | 1,294 | 323 |
| " ironers..... | 2 | 2 | | | | | 2 | 455 | 227 |
| " painters..... | 7 | 3 | 265 | 88 | 453 | 151 | 4 | 906 | 226 |
| " trimmers..... | 4 | 3 | 185 | 61 | 445 | 148 | 1 | 200 | 200 |
| Catcher (foundry)..... | 1 | 1 | 90 | 90 | 190 | 190 | | | |
| Cigar makers..... | 79 | 30 | 2,096 | 69 | 4,498 | 149 | 49 | 10,267 | 209 |
| " packers..... | 2 | 2 | 317 | 173 | 40 | 225 | | | |
| Clerks..... | 46 | 33 | 2,013 | 61 | 5,460 | 165 | 13 | 3,816 | 293 |
| Coal miners..... | 232 | 219 | 14,773 | 71 | 34,902 | 159 | 13 | 3,309 | 254 |
| Conductors (freight)..... | 2 | 2 | 240 | 120 | 325 | 162 | | | |
| Coopers..... | 22 | 20 | 1,510 | 75 | 2,598 | 125 | 2 | 659 | 329 |
| Curriers..... | 7 | 5 | 520 | 104 | 1,170 | 234 | 2 | 625 | 312 |
| Ditchers..... | 3 | 2 | 83 | 41 | 110 | 55 | 1 | 200 | 200 |
| Draughtsmen..... | 3 | | | | | | 3 | 675 | 225 |
| Electrician..... | 1 | | | | | | 1 | 220 | 220 |
| Engineers (locomotive)..... | 12 | 10 | 863 | 86 | 2,410 | 244 | 2 | 754 | 379 |
| " (stationary)..... | 30 | 25 | 2,176 | 87 | 4,726 | 189 | 5 | 1,227 | 245 |
| Express agent..... | 1 | 1 | 96 | 96 | 240 | 240 | | | |
| Express drivers..... | 7 | 6 | 709 | 118 | 974 | 162 | 1 | 175 | 175 |
| Farm hands..... | 2 | 2 | 133 | 66 | 231 | 115 | | | |

Table III.—Continued.

| OCCUPATIONS. | Whole number of families..... | No. who report specific sums for both meat and groceries..... | Whole amount paid for meat..... | Cost of meat per family..... | Whole amount paid for groceries..... | Cost of groceries per family..... | No. who report cost of meat and groceries in one amount..... | Whole amount paid for meat and groceries..... | Cost of meat and groceries per family..... |
|------------------------------|-------------------------------|---|---------------------------------|------------------------------|--------------------------------------|-----------------------------------|--|---|--|
| Firemen (locomotive)..... | 16 | 16 | \$1,066 | \$66 | \$2,797 | \$175 | | | |
| Firemen (stationary)..... | 9 | 8 | 540 | 67 | 1,200 | 151 | 1 | \$2-6 | \$186 |
| Fi-herman..... | 1 | 1 | 50 | 50 | 1,260 | 260 | | | |
| Flagmen..... | 4 | 4 | 219 | 54 | 544 | 136 | | | |
| Flour packers..... | 3 | 3 | 217 | 72 | 832 | 110 | | | |
| Foremen..... | 15 | 11 | 1,114 | 101 | 3,164 | 287 | 4 | 965 | 241 |
| Furnace men..... | 4 | 4 | 320 | 80 | 890 | 200 | | | |
| Gardener..... | 1 | 1 | 15 | 15 | 390 | 390 | | | |
| Gilder..... | 1 | 1 | 120 | 120 | 940 | 940 | | | |
| Glass blowers..... | 3 | 3 | 285 | 95 | 380 | 127 | | | |
| Grinders..... | 4 | 4 | 280 | 70 | 675 | 168 | | | |
| Harness makers..... | 31 | 20 | 1,513 | 75 | 3,649 | 182 | 11 | 2,210 | 201 |
| Heaters (bar mill)..... | 4 | 4 | 521 | 130 | 1,120 | 280 | | | |
| (foundry)..... | 1 | 1 | 190 | 190 | 360 | 360 | | | |
| Helpers in shop..... | 3 | 3 | 185 | 61 | 375 | 125 | | | |
| Hod carriers..... | 3 | 1 | 35 | 35 | 110 | 110 | 2 | 375 | 187 |
| Horse-shoe maker..... | 1 | 1 | 75 | 75 | 330 | 330 | | | |
| Horse shoer..... | 1 | | | | | | 1 | 300 | 300 |
| Hostlers..... | 3 | | | | | | 3 | 598 | 169 |
| Iron and steel workers..... | 13 | 12 | 1,061 | 88 | 2,285 | 188 | 1 | 190 | 190 |
| Janitors..... | 4 | 8 | 170 | 57 | 500 | 166 | | 160 | 160 |
| Laborers..... | 397 | 308 | 17,790 | 57 | 42,296 | 137 | 89 | 16,059 | 180 |
| (R. R.)..... | 16 | 17 | 509 | 72 | 1,822 | 188 | 9 | 1,177 | 131 |
| (coal mine)..... | 19 | 17 | 1,206 | 71 | 2,712 | 159 | 2 | 765 | 382 |
| Lard renderer..... | 1 | 1 | 80 | 80 | 175 | 175 | | | |
| Lather..... | 1 | | | | | | 1 | 250 | 250 |
| Laundrymen..... | 2 | | | | | | 2 | 275 | 137 |
| Lead miners..... | 2 | 2 | 90 | 45 | 300 | 150 | | | |
| Lumber handlers..... | 7 | 3 | 325 | 108 | 496 | 165 | 4 | 770 | 192 |
| Machinists..... | 35 | 31 | 2,354 | 76 | 5,590 | 180 | 4 | 910 | 227 |
| (R. R.)..... | 7 | 5 | 430 | 86 | 900 | 180 | 2 | 660 | 330 |
| Machine miners..... | 4 | 4 | 317 | 79 | 665 | 166 | | | |
| Maltsters..... | 4 | 3 | 132 | 44 | 320 | 106 | 2 | 475 | 237 |
| Marble workers..... | 17 | 12 | 954 | 79 | 2,214 | 184 | 5 | 1,284 | 257 |
| Master mechanics..... | 2 | 1 | 216 | 216 | 300 | 300 | 1 | 540 | 540 |
| Matrass maker..... | 1 | | | | | | 1 | 200 | 200 |
| Millers..... | 16 | 14 | 1,036 | 79 | 2,601 | 185 | 2 | 440 | 220 |
| Millwrights..... | 2 | 1 | 75 | 75 | 175 | 175 | 1 | 156 | 156 |
| Moulders..... | 49 | 40 | 3,207 | 80 | 8,093 | 202 | 9 | 1,772 | 185 |
| Monument setter..... | 1 | 1 | 50 | 50 | 150 | 150 | | | |
| Mule drivers..... | 3 | 3 | 208 | 69 | 500 | 166 | | | |
| Nailers..... | 7 | 7 | 852 | 121 | 1,548 | 221 | | | |
| Nail-plate shearer..... | 1 | 1 | 80 | 80 | 180 | 180 | | | |
| Organ builders..... | 2 | 2 | 115 | 57 | 520 | 260 | | | |
| Omnibus driver..... | 1 | 1 | 55 | 55 | 150 | 150 | | | |
| Painter..... | 62 | 51 | 3,257 | 63 | 8,696 | 170 | 11 | 1,836 | 167 |
| Paper carriers..... | 2 | 1 | 30 | 30 | 120 | 120 | 1 | 110 | 110 |
| Paper hangers..... | 6 | 5 | 450 | 90 | 1,125 | 225 | 1 | 342 | 342 |
| Paper maker..... | 1 | 1 | 60 | 60 | 100 | 100 | | | |
| Pattern makers..... | 9 | 8 | 676 | 84 | 1,740 | 217 | 1 | 365 | 365 |
| Piano makers..... | 2 | 2 | 125 | 62 | 325 | 162 | | | |
| Picture-frame makers..... | 2 | 1 | 26 | 26 | 150 | 150 | 1 | 200 | 200 |
| Pit bosses..... | 6 | 6 | 430 | 71 | 1,333 | 222 | | | |
| Pit sinkers..... | 2 | 2 | 134 | 27 | 390 | 150 | | | |
| Pit-top men..... | 2 | 2 | 124 | 62 | 380 | 190 | | | |
| Plasterers..... | 23 | 16 | 1,213 | 75 | 2,967 | 185 | 7 | 2,175 | 310 |
| Plow factory men..... | 7 | 7 | 432 | 61 | 1,475 | 210 | | | |
| Plumbers..... | 10 | 8 | 640 | 80 | 1,470 | 183 | 2 | 547 | 273 |
| Potters..... | 4 | 4 | 258 | 64 | 625 | 156 | | | |
| Pressmen..... | 2 | | | | | | 2 | 384 | 192 |
| Printers..... | 26 | 16 | 1,502 | 93 | 2,926 | 182 | 10 | 2,346 | 236 |
| Prison guard..... | 1 | 1 | 25 | 25 | 120 | 120 | | | |
| Puddlers..... | 4 | 3 | 310 | 103 | 620 | 206 | 1 | 640 | 640 |
| Puddlers' helper..... | 1 | 1 | 182 | 182 | 180 | 180 | | | |
| Quarrymen..... | 5 | 5 | 330 | 76 | 995 | 199 | | | |
| Rag sorter (paper mill)..... | 1 | | | | | | 1 | 200 | 200 |
| Refiner (gas)..... | 1 | 1 | 10 | 10 | 144 | 144 | | | |
| River pilot..... | 1 | | | | | | 1 | 180 | 180 |
| Rollers..... | 5 | 5 | 650 | 130 | 1,225 | 245 | | | |
| Rolling-mill hands..... | 5 | 4 | 300 | 75 | 1,150 | 287 | 1 | 325 | 325 |
| Rougher..... | 2 | 2 | 250 | 125 | 400 | 200 | | | |

Table III.—Continued.

| OCCUPATIONS. | Whole number of families..... | No. who report specific sums for both meat and groceries..... | Whole amount paid for meat..... | Cost of meat per family..... | Whole amount paid for groceries..... | Cost of groceries per family..... | No. who report cost of meat and groceries in one amount..... | Whole amount paid for meat and groceries..... | Cost of meat and groceries per family..... |
|----------------------------------|-------------------------------|---|---------------------------------|------------------------------|--------------------------------------|-----------------------------------|--|---|--|
| Salt maker..... | 1 | 1 | \$20 | \$20 | \$50 | \$50 | | | |
| Saw filer..... | 1 | 1 | 60 | 60 | 225 | 225 | | | |
| Sawyers..... | 8 | 7 | 576 | 82 | 1,431 | 204 | 1 | \$250 | \$250 |
| Seamen..... | 2 | 2 | 74 | 37 | 150 | 75 | | | |
| Section bosses..... | 5 | 4 | 420 | 105 | 925 | 231 | 1 | 230 | 230 |
| Section men..... | 13 | 13 | 600 | 46 | 1,399 | 107 | | | |
| Sheet-iron workers..... | 1 | 1 | 50 | 50 | 240 | 240 | | | |
| Shoemakers..... | 32 | 23 | 1,497 | 65 | 3,377 | 146 | 9 | 2,023 | 225 |
| Silver plater..... | 1 | 1 | 30 | 30 | 125 | 125 | | | |
| Shooter (coal)..... | 1 | 1 | 90 | 90 | 190 | 190 | | | |
| Sodawater maker..... | 1 | 1 | 75 | 75 | 150 | 150 | | | |
| Spinner..... | 1 | 1 | 100 | 100 | 240 | 240 | | | |
| Stair builder..... | 1 | | | | | | 1 | 156 | 156 |
| Station agents..... | 4 | 3 | 193 | 64 | 439 | 146 | 1 | 191 | 191 |
| Stone masons..... | 19 | 17 | 1,173 | 60 | 3,172 | 186 | 2 | 491 | 245 |
| Stone cutters..... | 28 | 19 | 1,090 | 57 | 3,342 | 175 | 9 | 2,677 | 297 |
| Stove mounters..... | 2 | | | | | | 2 | 894 | 192 |
| Street-car conductors..... | 10 | 1 | 70 | 70 | 190 | 190 | 9 | 2,553 | 283 |
| Street-car drivers..... | 11 | 3 | 309 | 103 | 850 | 113 | 8 | 2,210 | 280 |
| Switchmen..... | 3 | 2 | 210 | 105 | 380 | 190 | 1 | 150 | 150 |
| Tailors..... | 16 | 9 | 765 | 85 | 2,021 | 224 | 7 | 1,820 | 260 |
| Telegraphists..... | 3 | 1 | 45 | 45 | 150 | 150 | 2 | 410 | 205 |
| Teamsters..... | 66 | 44 | 2,788 | 63 | 6,256 | 142 | 22 | 4,291 | 195 |
| Tile makers..... | 3 | 2 | 95 | 47 | 280 | 145 | 1 | 260 | 260 |
| Tinners..... | 21 | 16 | 1,231 | 77 | 2,891 | 180 | 5 | 1,219 | 249 |
| Toy maker..... | 1 | | | | | | 1 | 200 | 200 |
| Track layers..... | 6 | 5 | 339 | 67 | 1,094 | 219 | 1 | 133 | 138 |
| Train dispatcher..... | 1 | 1 | 110 | 110 | 300 | 300 | | | |
| Trunk makers..... | 5 | | | | | | 5 | 1,400 | 280 |
| Upholsterers..... | 9 | 1 | 96 | 96 | 264 | 264 | 8 | 1,787 | 223 |
| Wagon makers..... | 12 | 11 | 693 | 63 | 1,620 | 147 | 1 | 210 | 210 |
| Walter..... | 1 | | | | | | 1 | 100 | 100 |
| Watch factory hands..... | 3 | 3 | 182 | 60 | 824 | 276 | | | |
| Watch makers..... | 4 | 4 | 215 | 53 | 504 | 126 | | | |
| Watchmen..... | 7 | 3 | 255 | 85 | 494 | 164 | 4 | 739 | 184 |
| Weaver (carpet)..... | 1 | 1 | 50 | 50 | 100 | 100 | | | |
| Welsher..... | 2 | 2 | 135 | 67 | 278 | 139 | | | |
| Well digger..... | 1 | 1 | 100 | 100 | 124 | 124 | | | |
| Wood machinists..... | 20 | 17 | 1,782 | 104 | 3,180 | 187 | 3 | 955 | 318 |
| Wood workers..... | 17 | 17 | 1,450 | 85 | 2,851 | 167 | | | |
| Wipers (locomotive)..... | 5 | 4 | 195 | 48 | 770 | 192 | 1 | 160 | 160 |
| Wire-fence maker..... | 1 | 1 | 60 | 60 | 155 | 155 | | | |
| Yardmasters..... | 3 | 2 | 161 | 80 | 800 | 400 | 1 | 156 | 156 |
| Yardmen..... | 2 | | | | | | 2 | 310 | 155 |
| Totals..... | 2,128 | 1,603 | \$113,333 | | \$269,035 | | 525 | \$115,490 | |
| Averages..... | | | | \$70.70 | | \$167.88 | | | \$219.98 |
| Averages for 2,128 families..... | | | | 67.90 | | 161.37 | | | |

This table gives us 1,603 families who expend annually \$113,333 for meat, and \$269,035 for groceries, or \$70.70 per family for the former, and \$167.88 per family for the latter, the cost of meat being 29.6 per cent of the cost of both. We also have 525 families who report an aggregate sum of \$115,490 as expended during the year for both meat and groceries, or \$219.98 per family. Deducting 29.6 per cent. of this amount from the whole, we have \$65.11 as the average for

meat for this group, and \$154.87 as the average for groceries. From these two sets of averages we find the mean to be \$67.90 per family for meat and \$161.37 per family for groceries, or \$229.27 for both, as the net experience of 2,128 families, under miscellaneous conditions.

The occasion for the discrepancies shown here in the amounts paid for subsistence by those engaged in different occupations will hardly be found in the nature of the employment so much as in other conditions. Primarily this amount will be regulated by the average remuneration afforded by different trades. Laborers for instance expend \$194 out of average earnings of \$414, or 47 per cent. for subsistence; coal miners \$230, out of \$471, or 49 per cent.; cigar makers \$218 out of \$577, or 37 per cent.; while foremen expend \$383 out of \$1,167, or 33 per cent.; master mechanics \$516 out of \$2,076, or 25 per cent., etc. The differences in these and similar cases sufficiently explain themselves as the manifest results of diversity of income, which must govern ultimately in all expenses. But in many trades affording average incomes, wide differences will be observed in the item of subsistence, for which reasons must be found outside the nature of the occupation, in the size and habits of the family, or in the relative prices of supplies in different places.

A tabulation follows designed to show the relative amounts expended for subsistence in different towns without regard to specific occupations. This table will also be found to embrace other features essential to a full comprehension of the averages given, such as the size of the town, the size of the family, the number of families upon which the averages are based, and the relation of the amount expended for food to that expended for all purposes.

TABLE IV.—*Showing the average expenditures for Meat and for Groceries, in the various Cities and Towns of the State.*

| PLACES. | Population..... | Average size of families.... | Number of families..... | Cost of meat per family.... | Cost of groceries per family | Cost of both per family.... | Total family expenditures. | Percentage for subsistence.. |
|-------------------|-----------------|------------------------------|-------------------------|-----------------------------|------------------------------|-----------------------------|----------------------------|------------------------------|
| Alma | 165 | 4.4 | 5 | \$77 | \$184 | \$181 | \$388 | 46 |
| Alton | 8 973 | 5.8 | 49 | 68 | 171 | 239 | 461 | 52 |
| Aurora | 11,875 | 3.9 | 93 | 79 | 175 | 214 | 539 | 47 |
| Bartonville | 450 | 6.4 | 13 | 41 | 120 | 161 | 424 | 40 |
| Belleville | 19,682 | 4.8 | 63 | 82 | 143 | 225 | 521 | 43 |
| Bloomington | 17,184 | 4.1 | 72 | 64 | 156 | 220 | 394 | 54 |
| Carlisle | 3,118 | 5.4 | 4 | 62 | 168 | 230 | 398 | 62 |
| Caseyville | 900 | 7.5 | 4 | 72 | 145 | 217 | 451 | 43 |
| Centralla | 3,623 | 3.9 | 39 | 76 | 170 | 246 | 529 | 46 |
| Champaign | 5,106 | 4.3 | 15 | 75 | 166 | 241 | 497 | 48 |
| Chicago | 508,305 | 4.8 | 156 | 94 | 174 | 268 | 612 | 44 |
| Coal City | 508 | 5.2 | 14 | 85 | 198 | 283 | 481 | 60 |

Table IV.—Continued.

| PLACES. | Population.... | Average size of families... | Number of families..... | Cost of meat per family.... | Cost of groceries per family.... | Cost of both per family..... | Total family expenditures. | Percentage for subsistence.. |
|---------------------|----------------|-----------------------------|-------------------------|-----------------------------|----------------------------------|------------------------------|----------------------------|------------------------------|
| Collinsville..... | 2,839 | 4.7 | 20 | \$67 | \$112 | \$179 | \$377 | 47 |
| Danville..... | 7,735 | 4.5 | 102 | 82 | 148 | 230 | 326 | 70 |
| DuQuoin..... | 2,808 | 4. | 16 | 41 | 96 | 140 | 366 | 40 |
| East St. Louis..... | 10,000 | 4.3 | 87 | 70 | 195 | 265 | 626 | 45 |
| Elgin..... | 8,789 | 3.9 | 14 | 90 | 175 | 245 | 541 | 45 |
| Equality..... | 500 | 4.4 | 31 | 57 | 73 | 130 | 316 | 38 |
| Freeport..... | 8,516 | 4.9 | 19 | 77 | 121 | 193 | 502 | 39 |
| Fulton..... | 1,783 | 4.4 | 31 | 57 | 73 | 130 | 491 | 28 |
| Galena..... | 6,454 | 5. | 46 | 50 | 140 | 190 | 407 | 47 |
| Galesburg..... | 11,446 | 4.1 | 49 | 40 | 120 | 160 | 527 | 30 |
| Gardner..... | 786 | 5. | 24 | 68 | 154 | 222 | 451 | 49 |
| Gartside..... | 103 | 4.2 | 5 | 77 | 116 | 193 | 415 | 46 |
| Jacksonville..... | 10,927 | 3.7 | 1 | 54 | 156 | 210 | 516 | 40 |
| Joliet..... | 11,654 | 5.5 | 46 | 72 | 253 | 325 | 578 | 56 |
| Lincoln..... | 5,639 | 4.5 | 4 | 71 | 225 | 296 | 547 | 54 |
| Mattoon..... | 5,742 | 4.4 | 29 | 91 | 176 | 270 | 521 | 51 |
| Moline..... | 7,805 | 3.8 | 128 | 58 | 175 | 233 | 476 | 50 |
| Mt. Pulaski..... | 1,127 | 4.5 | 2 | 66 | 250 | 316 | 714 | 44 |
| Pekin..... | 5,998 | 4. | 15 | 61 | 190 | 256 | 386 | 66 |
| Peoria..... | 29,319 | 4.5 | 88 | 55 | 131 | 186 | 443 | 42 |
| Peoria County..... | | 5. | 22 | 40 | 132 | 172 | 412 | 41 |
| Pontiac..... | 2,243 | 4.4 | 33 | 66 | 188 | 254 | 531 | 48 |
| Quincy..... | 27,275 | 5. | 10 | 50 | 155 | 205 | 529 | 39 |
| Rantchler..... | 150 | 3.5 | 2 | 81 | 150 | 231 | 550 | 42 |
| Rock Falls..... | 891 | 5.7 | 4 | 75 | 175 | 250 | 477 | 52 |
| Rock Island..... | 11,661 | 4.7 | 70 | 56 | 188 | 244 | 481 | 50 |
| Springfield..... | 19,746 | 5.1 | 26 | 84 | 238 | 322 | 654 | 49 |
| Sterling..... | 5,069 | 5.2 | 51 | 72 | 145 | 217 | 474 | 46 |
| Streator..... | 5,138 | 4.1 | 48 | 68 | 240 | 308 | 574 | 53 |
| Summerfield..... | 751 | 9. | 1 | 59 | 94 | 144 | 264 | 54 |
| Urbana..... | 2,913 | 5.1 | 17 | 84 | 193 | 282 | 602 | 46 |
| Averages..... | | 4.78 | 1,568 | \$67.70 | \$160 | \$227.70 | \$483 | 47 |

Selecting those from each locality who give definite amounts for cost of both meat and groceries, we obtain in all the experience of 1,568 families in 43 places. These families average 4.78 persons each and expend an average sum of \$67.70 for meat, and \$160 for groceries, or \$227.70 for both, out of an average total expenditure of \$483.

These results, it will be observed, are practically the same as those before deduced, while opportunities are afforded in this table for analyzing the conditions under which the given amounts are expended, and thus accounting in a large measure for the differences which appear. As to each case the whole cost of living is brought into comparison with the cost of food supplies proper, showing that the latter is somewhat less than half the total expenditure,—the amount for groceries being about twice that for meat. Exceptional amounts may generally be accounted for by a consideration of the

size of the family or of the town, the comprehensiveness of the average, or the amount of income from which these expenses are defrayed, as indicated by the total expenditure.

By reference to a subsequent table, giving the prevailing prices of commodities, in 34 different towns, an estimate may readily be made of the relative amounts of each which the sums here given represent, and of the extent to which the prices paid affect the differences in the amounts reported for subsistence.

CLOTHING.

Having considered the amounts expended by workmen for Shelter, as represented by rent and fuel, and for Subsistence, as represented by meat and groceries, we next come to the item of Clothing, including boots and shoes and dry goods, which we analyze in a similar manner to the foregoing, showing the cost of each, and of the three aggregated, both for occupations and places. Our first table embraces the experience of 1,529 families, who give the desired data in detail from which we tabulate the averages shown. The remaining 600 families report a lump sum for the three items and consequently do not appear in this table.

TABLE V.—*Showing the average cost of Clothing, Boots and Shoes and Dry Goods, in the different Occupations.*

| OCCUPATIONS. | No. who report specific sums for clothing, boots, shoes and dry goods. | Whole number of families | Whole amount paid for clothing, proper. | Cost of clothing per family. | Whole amount paid for boots and shoes. | Cost of boots and shoes per family. | Whole amount paid for dry goods. | Cost of dry goods per family. | Cost of the three items per family. |
|----------------------|--|--------------------------|---|------------------------------|--|-------------------------------------|----------------------------------|-------------------------------|-------------------------------------|
| Bakers..... | 14 | 5 | \$340 | \$68 | \$110 | \$22 | \$119 | \$24 | \$114 |
| Barbers..... | 18 | 13 | 715 | 55 | 330 | 25 | 641 | 49 | 129 |
| Baggagemen..... | 5 | 4 | 175 | 43 | 114 | 28 | 161 | 40 | 111 |
| Boiler makers..... | 9 | 5 | 345 | 69 | 203 | 40 | 440 | 88 | 197 |
| Bookbinders..... | 2 | 1 | 100 | 100 | 30 | 30 | 70 | 70 | 200 |
| Blacksmiths..... | 75 | 49 | 3,253 | 66 | 1,354 | 27 | 2,007 | 41 | 134 |
| helpers..... | 7 | 4 | 190 | 47 | 79 | 19 | 46 | 11 | 77 |
| Brakemen..... | 5 | 4 | 185 | 46 | 78 | 19 | 158 | 39 | 104 |
| Book-keepers..... | 5 | 3 | 330 | 110 | 75 | 27 | 275 | 91 | 228 |
| Brass workers..... | 6 | 5 | 375 | 75 | 126 | 25 | 207 | 41 | 111 |
| Brewers..... | 5 | 3 | 155 | 51 | 115 | 38 | 76 | 25 | 114 |
| Bricklayers..... | 46 | 36 | 2,532 | 70 | 1,088 | 30 | 1,636 | 45 | 145 |
| Brickmakers..... | 5 | 3 | 180 | 60 | 102 | 34 | 155 | 51 | 145 |
| Bridge builders..... | 5 | 5 | 470 | 94 | 130 | 26 | 198 | 39 | 159 |
| tenders..... | 2 | 2 | 100 | 50 | 65 | 32 | 85 | 42 | 124 |
| Broom makers..... | 3 | 1 | 80 | 80 | 20 | 20 | 45 | 45 | 145 |
| Burnisher..... | 1 | 1 | 60 | 60 | 23 | 23 | 40 | 40 | 123 |
| Butchers..... | 27 | 11 | 535 | 48 | 298 | 27 | 454 | 41 | 116 |
| Cabinet makers..... | 15 | 9 | 435 | 48 | 202 | 22 | 350 | 39 | 109 |
| Calclminer..... | 1 | 1 | 75 | 75 | 15 | 15 | 25 | 25 | 115 |

Table V.—Continued.

| OCCUPATIONS. | Whole number of fam- lies..... | No. who report specific sums for clothing, boots, shoes and dry goods..... | Whole amount paid for clothing, proper..... | Cost of clothing per family..... | Whole amount paid for boots and shoes..... | Cost of boots and shoes per family..... | Whole amount paid for dry goods..... | Cost of dry goods per family..... | Cost of the three items per family..... |
|-----------------------------|-----------------------------------|--|--|-------------------------------------|---|--|---|--------------------------------------|--|
| Caller..... | 1 | 1 | \$20 | \$20 | \$25 | \$25 | \$50 | \$50 | \$95 |
| Car builders..... | 5 | 4 | 150 | 37 | 104 | 26 | 87 | 22 | 85 |
| Car inspectors..... | 6 | 4 | 170 | 42 | 70 | 17 | 170 | 42 | 161 |
| Car painters..... | 2 | 1 | 90 | 90 | 30 | 30 | 80 | 80 | 200 |
| Car repairers..... | 8 | 8 | 341 | 42 | 187 | 23 | 223 | 28 | 93 |
| Carpenters..... | 111 | 86 | 4,775 | 55 | 3,292 | 37 | 3,311 | 38 | 130 |
| Carriage makers..... | 5 | 4 | 193 | 48 | 90 | 22 | 150 | 37 | 107 |
| painters..... | 7 | 3 | 180 | 60 | 55 | 18 | 70 | 23 | 101 |
| trimmers..... | 4 | 2 | 90 | 45 | 50 | 25 | 55 | 27 | 97 |
| Catcher..... | 1 | 1 | 50 | 50 | 35 | 35 | 75 | 75 | 160 |
| Cigar makers..... | 79 | 42 | 2,651 | 63 | 974 | 23 | 1,607 | 38 | 124 |
| packers..... | 2 | 2 | 135 | 67 | 90 | 45 | 65 | 32 | 144 |
| Clerks..... | 46 | 29 | 2,185 | 75 | 948 | 32 | 1,755 | 67 | 174 |
| Coal miners..... | 232 | 185 | 9,389 | 50 | 4,785 | 25 | 5,940 | 32 | 107 |
| Coopers..... | 22 | 18 | 790 | 44 | 417 | 23 | 464 | 25 | 92 |
| Curriers..... | 7 | 6 | 478 | 79 | 150 | 25 | 263 | 44 | 148 |
| Ditchers..... | 3 | 2 | 19 | 9 | 26 | 13 | 34 | 17 | 39 |
| Engineers (locomotive)..... | 12 | 10 | 798 | 79 | 388 | 38 | 906 | 96 | 213 |
| (stationary)..... | 30 | 23 | 1,240 | 55 | 656 | 28 | 1,096 | 47 | 130 |
| Express agent..... | 1 | 1 | 25 | 25 | 20 | 20 | 50 | 50 | 95 |
| drivers..... | 7 | 6 | 500 | 83 | 150 | 25 | 363 | 61 | 169 |
| Farm hands..... | 2 | 1 | 75 | 75 | 25 | 25 | 20 | 20 | 120 |
| Firemen (locomotive)..... | 16 | 16 | 1,086 | 68 | 393 | 24 | 503 | 31 | 123 |
| (stationary)..... | 9 | 8 | 392 | 38 | 229 | 28 | 330 | 41 | 117 |
| Fisherman..... | 1 | 1 | 75 | 75 | 30 | 30 | 11 | 11 | 106 |
| Flagmen..... | 4 | 4 | 100 | 25 | 47 | 11 | 74 | 28 | 54 |
| Flour packers..... | 3 | 3 | 105 | 35 | 46 | 15 | 85 | 94 | 78 |
| Foremen..... | 15 | 10 | 1,145 | 114 | 425 | 42 | 945 | 94 | 250 |
| Furnacemen..... | 4 | 4 | 134 | 33 | 117 | 29 | 134 | 33 | 95 |
| Gardener..... | 1 | 1 | 25 | 25 | 30 | 30 | 25 | 25 | 80 |
| Glass blowers..... | 3 | 3 | 205 | 68 | 63 | 21 | 63 | 21 | 110 |
| Grinders..... | 4 | 4 | 310 | 85 | 78 | 19 | 33 | 8 | 112 |
| Harness makers..... | 31 | 19 | 1,090 | 57 | 416 | 23 | 1,016 | 53 | 133 |
| Heater (bar mill)..... | 4 | 4 | 165 | 41 | 118 | 29 | 250 | 62 | 132 |
| Helpers in shop..... | 3 | 3 | 130 | 43 | 65 | 21 | 110 | 37 | 101 |
| Hod carriers..... | 3 | 1 | 100 | 100 | 30 | 30 | 40 | 40 | 170 |
| Horse-shoe makers..... | 1 | 1 | 50 | 50 | 15 | 15 | 10 | 10 | 75 |
| Iron and steel workers..... | 13 | 12 | 810 | 67 | 428 | 35 | 410 | 34 | 136 |
| Janitors..... | 4 | 3 | 195 | 65 | 86 | 28 | 116 | 39 | 132 |
| Laborers..... | 397 | 315 | 13,109 | 41 | 6,567 | 20 | 7,196 | 22 | 85 |
| (R. R.)..... | 16 | 4 | 310 | 77 | 172 | 43 | 270 | 67 | 137 |
| (coal mine)..... | 19 | 13 | 376 | 29 | 234 | 19 | 309 | 23 | 71 |
| Lard render..... | 1 | 1 | 25 | 25 | 18 | 18 | 30 | 30 | 73 |
| Lather..... | 1 | 1 | 15 | 15 | 19 | 19 | 13 | 13 | 47 |
| Lumber handlers..... | 7 | 4 | 185 | 46 | 100 | 25 | 145 | 36 | 107 |
| Machinists..... | 35 | 25 | 1,899 | 76 | 776 | 31 | 1,116 | 44 | 151 |
| (R. R.)..... | 7 | 4 | 490 | 122 | 103 | 26 | 260 | 65 | 218 |
| Machine miners..... | 4 | 4 | 130 | 32 | 87 | 21 | 120 | 30 | 83 |
| Malsters..... | 5 | 4 | 190 | 47 | 85 | 21 | 100 | 25 | 93 |
| Marble workers..... | 17 | 9 | 550 | 61 | 250 | 27 | 235 | 26 | 114 |
| Master mechanics..... | 2 | 1 | 120 | 120 | 72 | 72 | 30 | 30 | 222 |
| Millers..... | 16 | 11 | 730 | 71 | 314 | 28 | 675 | 61 | 160 |
| Millwrights..... | 2 | 1 | 60 | 60 | 35 | 35 | 30 | 30 | 125 |
| Moulders..... | 49 | 42 | 3,206 | 76 | 1,179 | 28 | 1,645 | 39 | 143 |
| Monument setter..... | 1 | 1 | 75 | 75 | 15 | 15 | 25 | 25 | 80 |
| Mule drivers..... | 3 | 1 | 35 | 15 | 40 | 40 | 7 | 7 | 178 |
| Nailers..... | 7 | 5 | 345 | 73 | 143 | 28 | 385 | 77 | 120 |
| Nail-plate shearer..... | 1 | 1 | 45 | 45 | 15 | 15 | 60 | 30 | 142 |
| Organ builders..... | 2 | 2 | 175 | 87 | 50 | 25 | 7 | 7 | 42 |
| Omnibus drivers..... | 1 | 1 | 50 | 50 | 15 | 15 | 7 | 7 | 100 |
| Painters..... | 62 | 47 | 2,530 | 53 | 1,066 | 22 | 1,206 | 25 | 75 |
| Paper carriers..... | 2 | 1 | 50 | 50 | 10 | 10 | 15 | 15 | 177 |
| Paper hangers..... | 6 | 4 | 345 | 86 | 85 | 21 | 280 | 75 | 177 |
| Paper makers..... | 1 | 1 | 25 | 25 | 30 | 30 | 30 | 30 | 158 |
| Pattern makers..... | 9 | 8 | 583 | 73 | 268 | 33 | 420 | 52 | 140 |
| Piano makers..... | 2 | 1 | 50 | 50 | 40 | 40 | 50 | 50 | 140 |

Table V.—Continued.

| OCCUPATIONS. | No. who report specific sums for clothing, boots, shoes and dry goods. | Whole number of families. | Cost of clothing, per family. | Whole amount paid for clothing, proper. | Cost of boots and shoes per family. | Whole amount paid for dry goods. | Cost of dry goods per family. | Cost of the three items per family. |
|--------------------------|--|---------------------------|-------------------------------|---|-------------------------------------|----------------------------------|-------------------------------|-------------------------------------|
| Picture-frame makers | 1 | 1 | \$100 | \$100 | \$25 | \$25 | \$15 | \$140 |
| Pit bosses | 5 | 5 | 877 | 75 | 141 | 328 | 65 | 168 |
| Pit sinkers | 2 | 2 | 37 | 18 | 44 | 56 | 28 | 68 |
| Pit-top men | 1 | 1 | 60 | 60 | 24 | 60 | 60 | 144 |
| Plasterers | 23 | 17 | 921 | 54 | 378 | 580 | 34 | 110 |
| Plow-factory men | 7 | 7 | 500 | 71 | 184 | 157 | 32 | 119 |
| Plumbers | 10 | 8 | 670 | 83 | 342 | 203 | 25 | 150 |
| Potters | 4 | 2 | 220 | 110 | 45 | 45 | 22 | 154 |
| Printers | 26 | 12 | 1,205 | 105 | 251 | 408 | 33 | 159 |
| Prison guard | 1 | 1 | 45 | 45 | 23 | 28 | 2 | 96 |
| Puddlers | 4 | 3 | 160 | 53 | 75 | 175 | 58 | 136 |
| Puddlers' helper | 1 | 1 | 75 | 75 | 35 | 50 | 50 | 160 |
| Quarrymen | 5 | 5 | 190 | 38 | 123 | 134 | 26 | 88 |
| Rag sorter (paper mill) | 1 | 1 | 35 | 35 | 10 | 5 | 5 | 50 |
| Refiner (gas) | 1 | 1 | 40 | 40 | 20 | 20 | 20 | 80 |
| River pilot | 1 | 1 | 40 | 40 | 30 | 25 | 25 | 95 |
| Rollers | 5 | 5 | 280 | 56 | 155 | 260 | 52 | 139 |
| Rolling-mill hands | 5 | 4 | 191 | 47 | 115 | 125 | 31 | 107 |
| Roughers | 2 | 2 | 85 | 42 | 35 | 75 | 37 | 96 |
| Salt maker | 1 | 1 | 75 | 75 | 12 | 50 | 50 | 137 |
| Saw miller | 1 | 1 | 65 | 65 | 25 | 6 | 6 | 96 |
| Sawyers | 8 | 6 | 445 | 74 | 147 | 224 | 37 | 135 |
| Seamen | 2 | 2 | 20 | 10 | 16 | 25 | 12 | 30 |
| Section bosses | 5 | 4 | 250 | 62 | 177 | 230 | 57 | 163 |
| Section men | 13 | 11 | 324 | 29 | 219 | 365 | 32 | 83 |
| Shoemakers | 32 | 25 | 1,075 | 43 | 619 | 944 | 35 | 98 |
| Silver plater | 1 | 1 | 20 | 20 | 30 | 25 | 25 | 75 |
| Shooter (coal) | 1 | 1 | 40 | 40 | 30 | 50 | 50 | 120 |
| Spinner | 1 | 1 | 40 | 40 | 35 | 40 | 40 | 115 |
| Station agent | 4 | 4 | 255 | 63 | 90 | 155 | 39 | 124 |
| Stone masons | 19 | 17 | 838 | 49 | 434 | 427 | 29 | 99 |
| Stone cutters | 28 | 22 | 1,515 | 68 | 621 | 746 | 33 | 129 |
| Stove mounters | 2 | 1 | 40 | 40 | 15 | 30 | 30 | 85 |
| Street-car conductors | 10 | 1 | 25 | 25 | 10 | 10 | 10 | 45 |
| Street-car drivers | 11 | 4 | 345 | 86 | 98 | 250 | 62 | 172 |
| Switchmen | 3 | 2 | 125 | 62 | 4 | 55 | 27 | 91 |
| Tailors | 16 | 10 | 885 | 8 | 312 | 479 | 48 | 167 |
| Telegraphists | 3 | 1 | 40 | 40 | 15 | 100 | 100 | 155 |
| Teamsters | 66 | 38 | 1,805 | 47 | 1,072 | 28 | 24 | 104 |
| Tile makers | 3 | 3 | 190 | 63 | 77 | 80 | 27 | 136 |
| Tinners | 21 | 12 | 510 | 45 | 305 | 303 | 32 | 103 |
| Trackmen | 6 | 5 | 192 | 38 | 171 | 214 | 42 | 114 |
| Train dispatcher | 1 | 1 | 75 | 75 | 25 | 75 | 75 | 175 |
| Upholsterers | 9 | 1 | 35 | 35 | 14 | 65 | 65 | 114 |
| Wagon makers | 12 | 7 | 437 | 62 | 235 | 202 | 29 | 123 |
| Watch-factory operatives | 3 | 2 | 40 | 40 | 60 | 45 | 22 | 92 |
| Watch makers | 4 | 3 | 95 | 31 | 68 | 115 | 38 | 92 |
| Watchmen | 7 | 4 | 290 | 72 | 88 | 95 | 47 | 141 |
| Weaver (carpet) | 1 | 1 | 25 | 25 | 25 | 25 | 25 | 75 |
| Welger | 2 | 2 | 50 | 25 | 42 | 59 | 29 | 75 |
| Well digger | 1 | 1 | 55 | 55 | 25 | 40 | 40 | 120 |
| Wood machinists | 20 | 18 | 910 | 50 | 353 | 683 | 37 | 106 |
| Wood workers | 17 | 16 | 1,120 | 70 | 515 | 654 | 41 | 143 |
| Wipers (locomotive) | 5 | 5 | 165 | 33 | 80 | 110 | 22 | 71 |
| Wire-fence maker | 1 | 1 | 10 | 10 | 15 | 15 | 15 | 40 |
| Yardmasters | 3 | 2 | 220 | 110 | 85 | 32 | 16 | 163 |
| Totals | 2,094 | 1,529 | \$81,786 | | \$39,324 | \$53,919 | | \$17,095 |
| Averages | | | | \$55 45 | \$25 71 | \$35 26 | | \$116 42 |

We have presented here the experience of 1,529 families in various places and occupations, as to the amounts expended during the year for clothing proper, boots and shoes, and dry goods, which, owing to the near relation of these items to each other, we consider under the general head of Clothing. It is to be expected that among so large a number of families a great diversity will appear in the amounts given, especially in view of the fact that these figures are not given as the average annual amounts expended by each family, but the *real* amounts expended for the year specified, which might be larger or smaller according to the supply on hand at the beginning of the year. This does not, however, weaken our averages because of the large number of families considered, among whom there will be as many who were overstocked at the beginning of the year or were scantily supplied. The deduction of the averages remains with us, and we obtain for these 1,529 families an average expenditure for clothing proper of \$55.55 per family, for boots and shoes \$25.71, and for dry goods \$35.26, or \$116.42 per annum for the three.

We recognize the difficulty of separating the exact amount expended for clothing from that paid for dry goods, the latter entering so largely into the manufacture of garments, especially for women, and we do not attach so much importance to the relative amounts of these two as to the sum of both. It will be seen, in a subsequent comparison with the results obtained by other investigators on this subject, that the amount expended for dry goods as shown here is greater, and that for clothing less in proportion, than those elsewhere obtained.

These amounts expended for personal comfort and adornment correspond in some measure, though by no means closely, with the nature of the employment. Laborers and coal miners for instance expend less for these objects than foremen, master mechanics and others, having much less to spend; but among the trades in general, other causes must be sought for many differences which appear.

The following table will afford some additional opportunities to trace the causes which may affect a variance in the amounts paid for clothing. This is an arrangement showing the expenditure in different towns, regardless of occupation, and shows not only the respective amounts paid, but the size of the town and of the average family, and in connection therewith the entire expenditure of the family and the proportion of it devoted to these objects.

TABLE VI.—*Showing the average expenditures for Clothing, Boots and Shoes and Dry Goods in the various Cities and Towns of the State.*

| PLACES. | Population..... | Average size of families..... | Number of families..... | Cost of clothing per family..... | Cost of boots and shoes per family..... | Cost of dry goods per family..... | Total cost of the three items..... | Total expenditures for all purposes..... | Percentage for the three items |
|---------------------|-----------------|-------------------------------|-------------------------|----------------------------------|---|-----------------------------------|------------------------------------|--|--------------------------------|
| Alma..... | 164 | 4.4 | 5 | \$35 | \$21 | \$15 | \$71 | \$388 | 18 |
| Alton..... | 8,978 | 5.8 | 45 | 39 | 23 | 24 | 86 | 461 | 18 |
| Aurora..... | 11,875 | 3.9 | 91 | 43 | 21 | 47 | 111 | 539 | 20 |
| Bartonville..... | 450 | 6.4 | 13 | 83 | 30 | 41 | 157 | 424 | 37 |
| Bell-ville..... | 10,182 | 4.8 | 43 | 49 | 25 | 31 | 105 | 521 | 20 |
| Bloomington..... | 17,184 | 4.1 | 66 | 31 | 20 | 31 | 82 | 384 | 21 |
| Carlinville..... | 3,180 | 5.4 | 3 | 50 | 30 | 28 | 158 | 368 | 40 |
| Caseyville..... | 900 | 7.5 | 4 | 36 | 19 | 26 | 81 | 451 | 17 |
| Centralla..... | 3,623 | 3.9 | 46 | 75 | 24 | 60 | 159 | 529 | 30 |
| Champaign..... | 5,106 | 4.3 | 34 | 53 | 23 | 26 | 102 | 497 | 20 |
| Chicago..... | 503,305 | 4.8 | 152 | 68 | 25 | 40 | 133 | 612 | 21 |
| Coal City..... | 568 | 5.9 | 11 | 23 | 22 | 31 | 76 | 481 | 15 |
| Collinsville..... | 2,839 | 4.7 | 16 | 33 | 17 | 20 | 70 | 377 | 18 |
| Danville..... | 7,735 | 4.5 | 85 | 41 | 21 | 24 | 86 | 326 | 26 |
| DuQuoin..... | 2,808 | 4. | 7 | 56 | 29 | 49 | 134 | 366 | 36 |
| East St. Louis..... | 10,000 | 4.3 | 83 | 49 | 23 | 51 | 123 | 626 | 19 |
| Elgin..... | 8,719 | 3.9 | 10 | 71 | 37 | 62 | 170 | 544 | 31 |
| Equality..... | 570 | 4.4 | 32 | 35 | 26 | 34 | 95 | 346 | 27 |
| Freeport..... | 8,516 | 4.9 | 19 | 81 | 35 | 39 | 155 | 502 | 30 |
| Fulton..... | 1,733 | 4.4 | 1 | 50 | 25 | 75 | 150 | 491 | 30 |
| Galena..... | 6,451 | 5. | 14 | 52 | 23 | 33 | 107 | 407 | 26 |
| Galesburg..... | 11,416 | 4.1 | 52 | 99 | 30 | 72 | 201 | 527 | 38 |
| Gardner..... | 786 | 5. | 19 | 29 | 39 | 75 | 123 | 451 | 27 |
| Gartside..... | 103 | 4.2 | 5 | 35 | 17 | 16 | 68 | 415 | 16 |
| Joliet..... | 11,659 | 5.5 | 45 | 46 | 26 | 32 | 104 | 578 | 18 |
| Mattoon..... | 5,742 | 4.4 | 14 | 72 | 25 | 16 | 113 | 525 | 21 |
| Moline..... | 7,805 | 3.8 | 116 | 72 | 19 | 7 | 98 | 476 | 20 |
| Mr. Pulaski..... | 1,127 | 4.5 | 1 | 150 | 30 | 50 | 230 | 714 | 32 |
| Pekin..... | 5,908 | 4. | 12 | 29 | 15 | 24 | 68 | 346 | 17 |
| Peoria..... | 29,319 | 4.5 | 139 | 51 | 31 | 33 | 118 | 441 | 26 |
| Peoria County..... | 26,100 | 5. | 22 | 71 | 30 | 39 | 140 | 412 | 33 |
| Pontiac..... | 2,243 | 4.4 | 34 | 40 | 27 | 65 | 132 | 531 | 24 |
| Quincy..... | 27,275 | 5. | 11 | 53 | 37 | 53 | 140 | 529 | 26 |
| Rentchler..... | 148 | 3.5 | 2 | 44 | 22 | 22 | 88 | 510 | 16 |
| Rock Falls..... | 894 | 5.7 | 4 | 57 | 34 | 30 | 121 | 477 | 25 |
| Rock Island..... | 11,661 | 4.7 | 72 | 71 | 22 | 16 | 109 | 491 | 22 |
| Springfield..... | 19,716 | 5.1 | 22 | 54 | 29 | 41 | 124 | 658 | 18 |
| Sterling..... | 5,089 | 5.2 | 49 | 54 | 36 | 34 | 124 | 474 | 26 |
| Streator..... | 5,158 | 4.1 | 19 | 57 | 29 | 44 | 130 | 574 | 22 |
| Urbana..... | 2,943 | 5.1 | 2 | 90 | 42 | 27 | 159 | 602 | 26 |
| Totals..... | | | 1,421 | \$2,230 | \$1,058 | \$1,516 | \$4,801 | \$19,444 | 973 |
| Averages..... | | 4.7 | | 55.44 | 25.71 | 35.26 | 116.42 | 496 | 23+ |

This table gives us 1,421 families with an average of 4.7 persons to each, geographically distributed among forty cities and towns, whose entire living expenses are \$486 per annum, of which \$116.42 is for clothing, boots and shoes and dry goods. The averages deduced in this table vary so slightly from those of the foregoing that the latter are preserved and brought forward, because founded upon rather the larger number of families. Here discrepancies in the amounts given, not otherwise clear, may be frequently explained by reference to the size of the family, the character of the town, or the total amount of the family expenditure.

These two tables sufficiently establish the average amount expended under the general head of Clothing, as well as the proportion of the same to the whole cost of living, and we may proceed to a consideration of the remaining items in the current cost of living.

MISCELLANEOUS.

Under the general head of miscellaneous items of family expenditures, we embrace the amounts paid for books, papers, etc., as indicating the literary or educational tendencies in families; such sums as may be devoted to life-insurance and to maintaining labor organizations; the average cost of the inevitable sickness of families, and finally the sundry other items which enter into the aggregate cost of living. Under each of these heads are given, first by occupations, the number who report expenditures under each of them, and the aggregate amount, and the amount per family so expended.

TABLE VII.—Miscellaneous Expense Items, and the Average Amounts Expended Yearly for Each.

| OCCUPATIONS. | BOOKS, PAPERS, ETC. | | | LIFE INSURANCE. | | | TRADES UNIONS. | | | SICKNESS. | | | SUNDRIES. | | |
|---------------------------|---------------------|-------------------|--------------------|----------------------|-------------------|--------------------|----------------------|-------------------|--------------------|----------------------|-------------------|--------------------|----------------------|-------------------|--------------------|
| | No of families..... | Whole amount..... | Amount per family. | No. of families..... | Whole amount..... | Amount per family. | No. of families..... | Whole amount..... | Amount per family. | No. of families..... | Whole amount..... | Amount per family. | No. of families..... | Whole amount..... | Amount per family. |
| | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | |
| Bakers..... | 12 | \$6.08 | \$50.00 | 2 | \$50.00 | \$25.00 | 1 | \$25.00 | \$25.00 | 12 | \$240.00 | \$20.00 | 12 | \$316.00 | \$26.33 |
| Barbers..... | 15 | 10.37 | 19.00 | 2 | 19.00 | 9.50 | 1 | 9.50 | 9.50 | 17 | 304.00 | 17.88 | 15 | 527.00 | 35.13 |
| Breadmakers..... | 15 | 5.34 | 28.00 | 2 | 28.00 | 14.00 | 1 | 14.00 | 14.00 | 2 | 35.00 | 17.50 | 15 | 37.50 | 2.50 |
| Boiler makers..... | 9 | 9.33 | 34.00 | 2 | 34.00 | 17.00 | 1 | 17.00 | 17.00 | 1 | 100.00 | 100.00 | 7 | 306.00 | 44.00 |
| Boiler helpers..... | 1 | 7.00 | 7.00 | 1 | 7.00 | 7.00 | 1 | 7.00 | 7.00 | 1 | 8.00 | 8.00 | 1 | 8.00 | 8.00 |
| Bookbinders..... | 62 | 3.85 | 23.00 | 11 | 23.00 | 2.09 | 7 | 7.00 | 10.42 | 60 | 1,451.00 | 24.18 | 62 | 2,191.00 | 35.34 |
| Blacksmiths..... | 4 | 9.00 | 18.33 | 3 | 18.33 | 6.11 | 3 | 18.33 | 6.11 | 3 | 114.00 | 38.00 | 4 | 374.00 | 93.50 |
| Blacksmiths' helpers..... | 45 | 11.25 | 15.00 | 1 | 15.00 | 15.00 | 1 | 15.00 | 15.00 | 3 | 65.00 | 21.67 | 4 | 125.00 | 31.25 |
| Brakemen..... | 185 | 33.00 | 15.00 | 1 | 15.00 | 15.00 | 1 | 15.00 | 15.00 | 3 | 35.00 | 11.66 | 4 | 395.00 | 98.75 |
| Bread workers..... | 37 | 7.40 | 7.00 | 1 | 7.00 | 7.00 | 1 | 7.00 | 7.00 | 4 | 160.00 | 40.00 | 4 | 80.00 | 20.00 |
| Brewers..... | 4 | 7.00 | 30.00 | 1 | 30.00 | 30.00 | 1 | 30.00 | 30.00 | 36 | 1,582.00 | 43.94 | 38 | 1,390.00 | 36.58 |
| Brick layers..... | 463 | 10.52 | 18.50 | 4 | 18.50 | 4.62 | 20 | 118.00 | 5.90 | 36 | 1,582.00 | 43.94 | 38 | 1,390.00 | 36.58 |
| Brick makers..... | 24 | 15.50 | 8.00 | 1 | 8.00 | 8.00 | 1 | 8.00 | 8.00 | 4 | 84.00 | 21.00 | 3 | 70.00 | 23.33 |
| Bridge builders..... | 2 | 13.50 | 20.00 | 1 | 20.00 | 20.00 | 1 | 20.00 | 20.00 | 3 | 139.00 | 46.33 | 5 | 140.00 | 28.00 |
| Bridge tenders..... | 16 | 5.83 | 5.00 | 1 | 5.00 | 5.00 | 1 | 5.00 | 5.00 | 1 | 25.00 | 25.00 | 1 | 25.00 | 25.00 |
| Brook makers..... | 5 | 5.00 | 27.50 | 2 | 27.50 | 13.75 | 2 | 27.50 | 13.75 | 1 | 10.00 | 10.00 | 1 | 75.00 | 75.00 |
| Butchers..... | 129 | 7.15 | 19.00 | 2 | 19.00 | 9.50 | 2 | 19.00 | 9.50 | 22 | 505.00 | 22.95 | 24 | 1,317.00 | 54.87 |
| Cabinet makers..... | 15 | 8.20 | 75.00 | 4 | 75.00 | 18.75 | 2 | 22.00 | 11.00 | 11 | 241.00 | 21.91 | 15 | 730.00 | 48.66 |
| Cages..... | 123 | 12.00 | 6.00 | 1 | 6.00 | 6.00 | 1 | 6.00 | 6.00 | 1 | 15.00 | 15.00 | 1 | 96.00 | 96.00 |
| Callers..... | 1 | 10.00 | 10.00 | 1 | 10.00 | 10.00 | 1 | 10.00 | 10.00 | 1 | 15.00 | 15.00 | 1 | 30.00 | 30.00 |
| Callers..... | 5 | 6.50 | 12.00 | 1 | 12.00 | 12.00 | 1 | 12.00 | 12.00 | 1 | 20.00 | 20.00 | 1 | 30.00 | 30.00 |
| Car builders..... | 31 | 8.16 | 22.00 | 2 | 22.00 | 11.00 | 2 | 22.00 | 11.00 | 5 | 105.00 | 21.00 | 5 | 235.00 | 47.00 |
| Car inspectors..... | 40 | 6.50 | 52.00 | 2 | 52.00 | 26.00 | 2 | 52.00 | 26.00 | 5 | 80.00 | 16.00 | 5 | 285.00 | 57.00 |
| Car painters..... | 13 | 6.50 | 24.00 | 1 | 24.00 | 24.00 | 2 | 9.00 | 4.50 | 4 | 80.00 | 20.00 | 3 | 84.00 | 28.00 |
| Car repairers..... | 74 | 10.57 | 22.50 | 1 | 22.50 | 22.50 | 7 | 31.00 | 4.43 | 30 | 300.00 | 10.00 | 21 | 201.00 | 9.57 |
| Carpenters..... | 96 | 9.75 | 22.50 | 20 | 22.50 | 11.25 | 7 | 31.00 | 4.43 | 6 | 141.00 | 23.50 | 94 | 3,968.00 | 42.22 |
| Carriage makers..... | 42 | 8.40 | 18.00 | 1 | 18.00 | 18.00 | 1 | 3.00 | 3.00 | 87 | 2,674.00 | 30.73 | 94 | 3,968.00 | 42.22 |
| Carriage ironers..... | 25 | 12.50 | 18.00 | 1 | 18.00 | 18.00 | 1 | 3.00 | 3.00 | 4 | 120.00 | 30.00 | 5 | 84.00 | 16.80 |
| Carriage painters..... | 39 | 5.55 | 15.00 | 1 | 15.00 | 15.00 | 1 | 3.00 | 3.00 | 2 | 15.00 | 7.50 | 2 | 120.00 | 60.00 |
| | 1 | 10.00 | 10.00 | 1 | 10.00 | 10.00 | 1 | 3.00 | 3.00 | 4 | 90.00 | 22.50 | 7 | 400.00 | 57.14 |

| | | | | | | | | | | | | | | | |
|-------------------------|-----|-------|-------|----|-----|--------|----|-----|-------|-----|-------|--------|-----|-------|--------|
| Carriage trimmers | 4 | 26 | 6 23 | 1 | 22 | 22 00 | | | | 3 | 8 83 | 9 | 10 | 72 | 24 00 |
| Catcher (hundry) | 5 | 5 00 | | | | | | | | 10 | 50 00 | 1 | 50 | 80 | 80 00 |
| Cigar makers | 62 | 533 | 8 91 | 16 | 287 | 17 62 | 59 | 622 | 10 54 | 68 | 1 769 | 59 | 54 | 3 201 | 54 25 |
| Cigar packers | 10 | 12 04 | 10 24 | | | | | 15 | 16 00 | | | | | | |
| Clerks | 41 | 502 | 5 89 | 37 | 414 | 25 89 | 72 | 284 | 3 94 | 3 | 1 161 | 40 | 40 | 1 960 | 49 30 |
| Coal miners | 179 | 1 063 | 15 16 | | | | | | | 177 | 3 865 | 65 | 17 | 4 327 | 68 63 |
| Coal miners (freight) | 2 | 20 | 10 00 | 3 | 46 | 15 33 | 12 | 73 | 6 58 | 16 | 330 | 17 | 19 | 483 | 56 04 |
| Coopers | 19 | 167 | 8 79 | 3 | 47 | 15 66 | 6 | 33 | 5 56 | 6 | 160 | 17 | 150 | 150 | 20 33 |
| Coppers | 7 | 78 | 10 71 | 3 | 46 | 15 66 | 12 | 33 | 5 56 | 2 | 41 | 21 | 50 | 205 | 20 33 |
| Cottagers | 2 | 3 | 5 60 | | | | | | | 1 | | | | | |
| Craftsmen | 5 | 34 | 13 00 | | | | | | | 3 | 265 | 113 | 00 | 160 | 160 00 |
| Electrician | 12 | 108 | 30 00 | 10 | 363 | 36 30 | 5 | 50 | 10 00 | 11 | 332 | 12 | 18 | 690 | 56 66 |
| Engravers (locomotive) | 28 | 321 | 14 46 | 7 | 123 | 17 84 | 4 | 15 | 3 75 | 24 | 1 312 | 22 | 20 | 1 008 | 48 32 |
| Engineers (stationary) | 2 | 2 | 9 00 | | | | | | | 1 | 160 | 1 | 50 | 30 | 20 00 |
| Express drivers | 7 | 62 | 8 85 | 2 | 36 | 18 00 | 1 | 3 | 3 00 | 6 | 180 | 27 | 60 | 597 | 85 26 |
| Farm hands | 12 | 108 | 6 75 | 9 | 166 | 22 11 | 3 | 12 | 4 00 | 12 | 165 | 13 | 75 | 223 | 111 33 |
| Farm hands (locomotive) | 18 | 188 | 11 75 | 1 | 20 | 20 00 | | | | 1 | 171 | 24 | 42 | 1 | 40 |
| Fishermen (stationary) | 9 | 94 | 1 00 | | | | | | | 4 | 85 | 21 | 25 | 35 | 11 68 |
| Fisherman | 5 | 5 | 1 00 | 1 | 12 | 12 00 | | | | 3 | 925 | 58 | 33 | 85 | 28 33 |
| Fishermen | 3 | 17 | 5 60 | | | | | | | 19 | 915 | 70 | 38 | 1 | 16 00 |
| Flour packers | 14 | 284 | 20 28 | 2 | 307 | 61 40 | 1 | 90 | 90 00 | 8 | 135 | 45 | 00 | 1 508 | 55 00 |
| Furniture men | 4 | 31 | 7 75 | 2 | 21 | 10 50 | | | | 1 | 25 | 20 | 00 | 220 | 20 00 |
| Garbler | 1 | 24 | 10 00 | | | | | | | 1 | 20 | 20 | 00 | 20 | 20 00 |
| Gillier | 3 | 40 | 13 83 | 2 | 44 | 22 00 | | | | 3 | 155 | 51 | 66 | 3 | 45 00 |
| Glass blower | 3 | 35 | 8 72 | 2 | 21 | 20 00 | | | | 2 | 45 | 22 | 50 | 4 | 30 |
| Grinders | 28 | 203 | 7 25 | 7 | 145 | 20 71 | 7 | 35 | 5 00 | 25 | 625 | 25 | 0 | 120 | 30 25 |
| Harness makers | 2 | 8 | 8 00 | | | | | | | 1 | 150 | 37 | 50 | 275 | 68 75 |
| Hester (bar mill) | 1 | 7 | 8 00 | 1 | 66 | 66 00 | | | | 2 | 150 | 150 | 00 | 201 | 20 00 |
| Hester (foundry) | 2 | 7 | 8 50 | | | | | | | 3 | 8 | 33 | 40 | 40 | 13 33 |
| Helpers in shop | 1 | 5 | 5 00 | | | | | | | 1 | 25 | 25 | 00 | 25 | 25 00 |
| Hod carters | 1 | 15 | 15 00 | | | | | | | 1 | 40 | 40 | 00 | 44 | 44 00 |
| Horsehoe maker | 1 | 10 | 10 00 | | | | | | | 1 | 20 | 20 | 00 | 15 | 15 00 |
| Horseshoe | 1 | 2 | 2 00 | | | | | | | 1 | 15 | 15 | 00 | 15 | 15 00 |
| Ho-tiers | 12 | 106 | 8 83 | 2 | 23 | 11 00 | 1 | 6 | 6 00 | 3 | 75 | 37 | 50 | 153 | 51 00 |
| Iron and steel workers | 3 | 16 | 5 33 | 1 | 18 | 18 00 | 6 | 53 | 8 83 | 10 | 273 | 27 | 20 | 410 | 40 00 |
| Joiners | 285 | 1 663 | 5 84 | 15 | 304 | 20 26 | 31 | 154 | 4 96 | 1 | 90 | 30 | 00 | 105 | 35 00 |
| Laborers | 18 | 80 | 11 12 | 3 | 37 | 12 83 | 1 | 2 | 2 00 | 272 | 5 512 | 20 | 26 | 24 11 | 24 11 |
| Laborers (railroad) | 1 | 4 | 4 00 | | | | | | | 14 | 384 | 14 | 21 | 6 697 | 42 64 |
| Laborers (coal mine) | 1 | 10 | 10 00 | | | | | | | 15 | 384 | 26 | 26 | 1 000 | 43 75 |
| Lard renderer | 1 | 4 | 4 00 | | | | | | | 15 | 12 | 12 00 | 40 | 40 | 40 00 |
| Latner | 1 | 10 | 10 00 | | | | | | | 1 | 7 | 7 00 | 00 | 25 | 25 00 |
| Lead miner | 1 | 8 | 8 00 | | | | | | | 1 | 10 | 10 00 | 00 | 95 | 47 50 |
| Lead miners | 4 | 35 | 8 75 | 1 | 100 | 100 00 | | | | 1 | 125 | 125 00 | 44 | 89 | 44 50 |
| Machine hands | 31 | 349 | 11 25 | 6 | 122 | 20 33 | 7 | 189 | 27 00 | 3 | 90 | 10 00 | 00 | 162 | 23 14 |
| Mechanists (railroad) | 7 | 71 | 10 57 | 1 | 20 | 20 00 | | | | 27 | 754 | 27 | 92 | 1 394 | 46 46 |
| Machine men | 4 | 37 | 9 25 | 1 | 20 | 20 00 | | | | 5 | 175 | 35 | 00 | 3 315 | 45 00 |
| Machine miners | 5 | 23 | 4 60 | | | | | | | 4 | 140 | 35 | 00 | 112 | 28 00 |
| Masters | 4 | 37 | 9 25 | | | | | | | 2 | 10 | 10 00 | 00 | 112 | 28 00 |
| Masters (locomotive) | 5 | 23 | 4 60 | | | | | | | 2 | 40 | 20 | 00 | 168 | 33 60 |
| Marble workers | 14 | 131 | 8 64 | 4 | 46 | 11 50 | 1 | 9 | 4 50 | 14 | 327 | 4 | 23 | 785 | 46 17 |
| Master mechanics | 2 | 2 | 31 50 | 2 | 122 | 61 00 | 2 | 9 | 4 50 | | | | 35 | 117 | 53 50 |

Table VII.—Continued.

| OCCUPATIONS. | BOOKS, PAPERS, ETC. | | | LIFE INSURANCE. | | | TRADES UNIONS. | | | SICKNESS. | | | SUNDRIES. | | |
|------------------------------|----------------------|-------------------|--------------------|----------------------|-------------------|--------------------|----------------------|-------------------|--------------------|----------------------|-------------------|--------------------|----------------------|-------------------|--------------------|
| | No. of families..... | Whole amount..... | Amount per family. | No. of families..... | Whole amount..... | Amount per family. | No. of families..... | Whole amount..... | Amount per family. | No. of families..... | Whole amount..... | Amount per family. | No. of families..... | Whole amount..... | Amount per family. |
| | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | |
| Matrass maker..... | 16 | \$243 | \$15 18 | 4 | \$147 | \$36 75 | | | | 1 | \$5 00 | | 14 | \$735 | \$52 50 |
| Millwrights..... | 2 | 23 | 11 50 | | | | | | | 14 | 965 | 224 07 | 2 | 47 | 23 50 |
| Moulders..... | 48 | 556 | 11 59 | 12 | 277 | 23 08 | 28 | \$221 | \$7 89 | 2 | 25 | 12 50 | 48 | 2,160 | 45 00 |
| Monument setters..... | 1 | 10 | 10 00 | 1 | | | 1 | 5 | 5 00 | 38 | 1,045 | 27 50 | 1 | 40 | 40 00 |
| Mule drivers..... | 1 | 100 | 10 00 | | | | | | | | | | 1 | 12 | 12 00 |
| Nailers..... | 7 | 100 | 14 28 | 3 | 56 | 18 66 | 5 | 55 | 11 00 | 6 | 40 | 40 00 | 7 | 409 | 58 43 |
| Nail plate shearer..... | 1 | 5 | 5 00 | | | | | | | 1 | 155 | 22 50 | 1 | 36 | 36 00 |
| Organ builders..... | 2 | 30 | 15 00 | 1 | 18 | 18 00 | | | | 1 | 55 | 55 00 | 1 | 22 | 22 00 |
| Omnibus driver..... | 1 | 5 | 5 00 | | | | | | | 1 | 10 | 10 00 | 1 | 15 | 15 00 |
| Painters..... | 58 | 501 | 8 64 | 5 | 85 | 17 00 | 17 | 115 | 6 73 | 46 | 1,623 | 35 10 | 59 | 1,536 | 26 03 |
| Paper carriers..... | 2 | 15 | 7 50 | 3 | 176 | 58 66 | 1 | 3 | 3 00 | 6 | 40 | 20 00 | 2 | 46 | 23 00 |
| Paper hangers..... | 4 | 22 | 5 50 | | | | | | | 1 | 10 | 10 00 | 6 | 196 | 32 66 |
| Pattern makers..... | 1 | 2 | 2 00 | | | | | | | 1 | 10 | 10 00 | 1 | 5 | 5 00 |
| Piano makers..... | 9 | 109 | 12 11 | 4 | 110 | 27 50 | | | | 8 | 212 | 26 50 | 8 | 308 | 38 50 |
| Picture-frame makers..... | 2 | 30 | 15 00 | 1 | 38 | 38 00 | | | | 2 | 5 | 5 00 | 2 | 90 | 45 00 |
| Pit bosses..... | 2 | 22 | 11 00 | 1 | 20 | 20 00 | 2 | 22 | 11 00 | 1 | 80 | 40 00 | 2 | 30 | 15 00 |
| Pit sinkers..... | 6 | 83 | 13 83 | 4 | 89 | 22 50 | | | | 6 | 182 | 30 33 | 6 | 155 | 25 83 |
| Pit-top men..... | 1 | 6 | 5 00 | | | | | | | 2 | 15 | 7 50 | 2 | 39 | 19 50 |
| Plasterers..... | 21 | 217 | 10 33 | 5 | 75 | 15 00 | 1 | 1 | 1 00 | 1 | 25 | 25 00 | 1 | 150 | 150 00 |
| Plow-factory men..... | 7 | 63 | 9 00 | 5 | 93 | 18 60 | 7 | 42 | 6 00 | 20 | 552 | 27 60 | 18 | 1,224 | 68 00 |
| Plumbers..... | 9 | 85 | 9 44 | 2 | 68 | 34 00 | 2 | 10 | 5 00 | 4 | 171 | 42 75 | 7 | 263 | 37 57 |
| Potters..... | 4 | 20 | 6 50 | | | | 1 | 8 | 8 00 | 8 | 140 | 17 50 | 10 | 536 | 53 60 |
| Pressmen..... | 2 | 17 | 8 50 | | | | | | | 1 | 69 | 17 25 | 4 | 116 | 29 00 |
| Printers..... | 25 | 382 | 15 24 | 5 | 99 | 19 80 | 18 | 76 | 6 00 | 4 | 10 | 10 00 | 2 | 140 | 70 00 |
| Prison guard..... | 1 | 6 | 6 00 | 1 | 18 | 18 00 | | | | 24 | 693 | 27 87 | 23 | 1,588 | 67 95 |
| Puddlers..... | 4 | 45 | 11 25 | | | | 1 | 24 | 24 00 | 1 | 10 | 10 00 | 1 | 23 | 23 00 |
| Puddlers' helper..... | 1 | 10 | 10 00 | | | | | | | 4 | 114 | 28 50 | 4 | 280 | 70 00 |
| Quarrymen..... | 5 | 82 | 6 40 | 2 | 21 | 10 50 | | | | 1 | 5 | 5 00 | 1 | 96 | 96 00 |
| Rag sorter (paper mill)..... | 1 | 7 | 7 00 | 1 | 6 | 6 00 | | | | 1 | 25 | 25 00 | 1 | 20 | 20 00 |
| Refiner (gas)..... | 1 | 10 | 10 00 | | | | | | | 1 | 25 | 25 00 | 1 | 25 | 25 00 |
| River pilot..... | 1 | | | | | | | | | 1 | 25 | 25 00 | 1 | 25 | 25 00 |

| | | | | | | | | | | | | | | |
|----------------------------|-------|----------|------|---------|---------|------|-----|---------|--------|-------|----------|---------|----------|---------|
| Rollers..... | 56 | 41 | 8 50 | 1 | 6 | 6 00 | 1 | 6 | 6 00 | 1,633 | \$41,757 | 48 75 | 350 | 70 00 |
| Rolling-mill hands..... | 63 | 12 50 | 1 | 1 | 6 | 7 00 | 3 | 21 | 7 00 | 5 | 108 | 21 50 | 110 | 55 00 |
| Rollers..... | 9 | 4 50 | 1 | 1 | | | | | | 2 | 35 | 15 00 | 110 | 55 00 |
| Sawyers..... | 11 | 1 00 | 1 | 1 | | | | | | 7 | 7 00 | 15 00 | 28 | 95 00 |
| Saw fler..... | 1 | 6 00 | | | | | | | | 1 | 15 00 | 3 71 | 235 | 57 57 |
| Scavens..... | 91 | 11 37 | 3 | 83 | 27 60 | | 2 | 17 | 8 50 | 7 | 224 | 8 50 | 330 | 35 50 |
| Section bosses..... | 3 | 4 00 | 2 | 16 | 8 00 | | 1 | 5 | 5 00 | 2 | 18 | 25 25 | 134 | 12 23 |
| Section men..... | 23 | 3 00 | 1 | 62 | 6 00 | | 1 | | | 14 | 105 | 22 38 | 4 | 110 |
| Sheet-iron workers..... | 10 | 19 00 | 1 | 6 | | | | | | 1 | 240 | 30 18 | 110 | 100 00 |
| Shoe makers..... | 210 | 8 07 | 4 | 85 | 21 25 | | 4 | 13 | 3 25 | 27 | 761 | 25 18 | 800 | 23 64 |
| Shovel plates..... | 2 | 3 00 | | | | | | | | | 4 | 4 00 | 10 00 | 35 00 |
| Shooter (coal)..... | 1 | 23 00 | 1 | 15 | 15 00 | | | | | 1 | 41 | 41 00 | 35 | 35 00 |
| Soda-water maker..... | 5 | 9 00 | | | | | | | | 1 | 30 | 20 00 | 102 | 100 00 |
| Spinner..... | 1 | 8 00 | | | | | | | | 1 | 10 | 10 00 | 102 | 100 00 |
| Stair builder..... | 95 | 8 25 | 1 | 20 | 20 00 | | 4 | 12 | 3 00 | 14 | 201 | 21 25 | 957 | 122 35 |
| Station agents..... | 108 | 8 12 | 1 | 138 | 16 00 | | 17 | 81 | 3 00 | 23 | 514 | 23 63 | 608 | 49 53 |
| Stone masons..... | 20 | 2 40 | 1 | 16 | 16 00 | | 1 | 6 | 8 50 | 10 | 405 | 49 50 | 45 | 32 55 |
| Stove mounters..... | 1 | 1 55 | 1 | 15 | 15 00 | | 2 | 10 | 5 00 | 13 | 153 | 32 27 | 858 | 144 37 |
| Street-car conductors..... | 97 | 9 00 | 4 | 190 | 47 50 | | 4 | 42 | 4 00 | 52 | 301 | 10 00 | 708 | 47 20 |
| Street-car drivers..... | 138 | 15 07 | 8 | 95 | 11 87 | | 6 | 24 | 4 50 | 20 | 637 | 31 00 | 1,996 | 40 71 |
| Switchmen..... | 18 | 6 00 | 5 | 144 | 28 80 | | 9 | 9 | 4 50 | 19 | 101 | 23 86 | 73 | 39 15 |
| Tailors..... | 12 | 2 00 | 2 | 32 | 16 00 | | 4 | 9 | 4 50 | 4 | 69 | 17 25 | 47 | 14 50 |
| Telegraphists..... | 34 | 10 00 | 2 | 32 | 16 00 | | 4 | 9 | 4 50 | 4 | 69 | 17 25 | 47 | 14 50 |
| Teletransmitters..... | 50 | 19 00 | 2 | 20 | 10 00 | | 5 | 33 | 6 50 | 1 | 173 | 173 00 | 178 | 73 00 |
| Tink makers..... | 40 | 8 20 | 2 | 20 | 10 00 | | 8 | 28 | 7 00 | 1 | 573 | 21 52 | 369 | 70 00 |
| Upholsterers..... | 71 | 6 00 | 1 | 6 | | | 3 | 5 | 5 00 | 11 | 120 | 13 73 | 335 | 30 45 |
| Wagon makers..... | 4 | 6 00 | 1 | 2 | 2 00 | | 1 | 1 | 16 00 | 14 | 16 | 16 00 | 131 | 14 00 |
| Water..... | 29 | 6 46 | 1 | 6 | 6 00 | | 1 | 1 | 3 00 | 1 | 10 | 30 00 | 135 | 17 50 |
| Watch-makers..... | 26 | 9 00 | 1 | 6 | 6 00 | | 1 | 1 | 3 00 | 1 | 368 | 44 66 | 161 | 30 16 |
| Watchmen..... | 4 | 9 00 | 1 | 6 | 6 00 | | 1 | 1 | 3 00 | 1 | 61 | 30 50 | 91 | 21 00 |
| Weaver (carpet)..... | 32 | 19 66 | | | | | | | | 2 | 33 | 22 48 | 21 | 100 00 |
| Weavers..... | 10 | 12 00 | 6 | 124 | 20 66 | | 12 | 66 | 5 50 | 15 | 352 | 21 74 | 530 | 81 70 |
| Well digger..... | 127 | 8 78 | 4 | 103 | 20 75 | | 4 | 45 | 11 25 | 17 | 383 | 13 75 | 283 | 20 23 |
| Wood machinists..... | 16 | 6 03 | 1 | 1 | | | 1 | 15 | 15 00 | 4 | 95 | 25 00 | 8 | 76 00 |
| Wood workers..... | 169 | 4 83 | | | | | | | | 1 | 101 | 35 00 | 35 | 25 00 |
| Wipers (locomotive)..... | 9 | 2 00 | 3 | 61 | 20 33 | | | | | 2 | 107 | 35 00 | 161 | 53 66 |
| Wire-fence maker..... | 18 | 2 00 | 3 | | | | | | | 2 | 23 | 11 50 | 61 | 30 50 |
| Yard masters..... | 3 | 7 50 | | | | | | | | | | | | |
| Yard men..... | 15 | | | | | | | | | | | | | |
| Totals..... | 1,785 | \$15,317 | 395 | \$7,637 | \$23 79 | | 433 | \$2,854 | \$6 59 | 1,633 | \$41,757 | \$35 57 | \$67,092 | \$41 77 |
| Averages..... | | | | | | | | | | | | | | |

This tabulation gives us, out of 2,129 families, 1,785 who expend an average of \$8.57 per annum for books and papers; 335 who are carrying life-insurance at an annual cost of \$22.79 per family; 433 connected with trades unions, in support of which they contribute \$6.59 each, per annum; 1,638 who have incurred an average expense of \$25.57 per annum on account of sickness; and 1,606 who report an average expenditure of \$41.77 for sundry items not otherwise specified. These are the averages for the given numbers of families who report expenditures for these objects, not the averages which would result from a division of the several aggregate sums by the whole number of families considered in this series of tables. Such a formula would give us as the averages for 2,129 families, \$7.19 for books, \$3.58 for life-insurance, \$1.34 for trades unions, \$19.61 for sickness, and \$31.51 for sundries. We prefer to emphasize the specific average for those who actually incur these expenses, indicating in each case the number on which it is based, though the consideration of both sets of averages is important. It will be observed that the whole number of families does not appear in any one of these columns, the inference being that those who do not report any outlay under these heads find their entire income absorbed by the simpler necessities of living, shelter, food and raiment. The largest number, 80 per cent. of the whole, are found in the column for books and papers, about 75 per cent. have had sickness in their families, and the same proportion report sundry expenses in addition to those specified. Those who are able to provide for the future of their families by insuring their lives, constitute 15+ per cent. of the whole, and those identified with trade organizations, many of which provide for payments of money in case of sickness or death, are numerically 20 per cent. of the whole.

A supplementary classification of miscellaneous expenses is made in the following table, showing the number of families in each town which incur the expenses mentioned, and the average amounts expended for each:

TABLE VIII.—*Miscellaneous Expense Items and the Average Amounts Expended Yearly for them in different Places.*

| PLACES. | POPULATION | AVERAGE No. IN FAMILIES..... | BOOKS AND PAPERS. | | LIFE INSURANCE. | | TRADES UNIONS. | | SICKNESS. | | SUNDRIES. | |
|---------------------|------------|------------------------------|-------------------|-------------------|-----------------|-------------------|-----------------|-------------------|-----------------|-------------------|-----------------|-------------------|
| | | | No. of families | Cost per family.. | No. of families | Cost per family.. | No. of families | Cost per family.. | No. of families | Cost per family.. | No. of families | Cost per family.. |
| Alma..... | 185 | 4.4 | 5 | \$4 | 4 | | 9 | \$10 | 3 | \$33 | 5 | \$30 |
| Alton..... | 8,978 | 5.8 | 48 | 6 | 4 | \$15 | 7 | 6 | 46 | 23 | 45 | 37 |
| Aurora..... | 11,875 | 3.9 | 83 | 9 | 27 | 24 | 7 | 6 | 94 | 20 | 84 | 26 |
| Bartonville..... | 450 | 6.4 | 13 | 7 | 7 | | 2 | 3 | 8 | 8 | 13 | 14 |
| Belleville..... | 10,082 | 4.8 | 52 | 9 | 17 | 18 | 30 | 9 | 56 | 43 | 63 | 36 |
| Bloomington..... | 17,184 | 4.1 | 66 | 5 | 3 | 4 | 3 | 2 | 71 | 11 | 3 | 17 |
| Carlinville..... | 3,188 | 5.4 | 2 | 5 | | | | | 7 | 21 | 9 | 20 |
| Caseyville..... | 900 | 7.5 | 3 | 4 | | | | | 4 | 47 | 4 | 36 |
| Centralia..... | 3,623 | 3.9 | 28 | 7 | 10 | 25 | 5 | 7 | 36 | 23 | 43 | 42 |
| Champaign..... | 5,106 | 4.3 | 82 | 9 | 13 | 32 | 5 | 7 | 57 | 21 | 91 | 58 |
| Chicago..... | 503,305 | 4.8 | 274 | 10 | 46 | 17 | 149 | 7 | 280 | 30 | 274 | 54 |
| Coal City..... | 568 | 5.2 | 10 | 8 | 6 | 13 | 3 | 2 | 10 | 20 | 13 | 39 |
| Collinsville..... | 2,839 | 4.7 | 16 | 4 | | | 2 | 3 | 21 | 32 | 24 | 31 |
| Danville..... | 7,735 | 4.5 | 82 | 8 | 4 | 13 | 21 | 5 | 64 | 21 | 8 | 15 |
| DuQuoin..... | 2,808 | 4 | 13 | 5 | 1 | 20 | 2 | 28 | 13 | 12 | 12 | 29 |
| East St. Louis..... | 10,000 | 4.3 | 75 | 9 | 24 | 20 | 5 | 8 | 78 | 30 | 85 | 44 |
| Elgin..... | 8,789 | 3.9 | 14 | 9 | 1 | 52 | | | 12 | 17 | 15 | 46 |
| Equality..... | 500 | 4.4 | 32 | 4 | 1 | 6 | 19 | 2 | 32 | 27 | 22 | 55 |
| Freeport..... | 8,516 | 4.9 | 15 | 8 | 3 | 2 | 2 | 2 | 8 | 19 | 11 | 25 |
| Fulton..... | 1,783 | 4.4 | 7 | 7 | 1 | 20 | | | 6 | 21 | 4 | 12 |
| Galena..... | 6,454 | 5 | 39 | 4 | 1 | 55 | 1 | 8 | 25 | 22 | 42 | 43 |
| Galesburg..... | 11,446 | 4.1 | 48 | 8 | 12 | 27 | 1 | 18 | 51 | 31 | 50 | 83 |
| Gardner..... | 736 | 5 | 15 | 4 | 2 | 12 | 1 | 4 | 20 | 21 | 19 | 20 |
| Gartside..... | 103 | 4.2 | 4 | 2 | | | | | 5 | 36 | 4 | 31 |
| Jacksonville..... | 10,927 | 3.7 | 56 | 9 | 11 | 33 | 16 | 10 | 60 | 17 | 61 | 46 |
| Joliet..... | 11,659 | 5.5 | 43 | 9 | 15 | 13 | 15 | 8 | 44 | 28 | 44 | 40 |
| Lincoln..... | 5,039 | 4.5 | 4 | 4 | 3 | 17 | 3 | 4 | 4 | 13 | 4 | 12 |
| Mattoon..... | 5,742 | 4.4 | 27 | 8 | 5 | 17 | 2 | 4 | 25 | 20 | 22 | 54 |
| Moline..... | 7,805 | 3.8 | 107 | 7 | 27 | 22 | 16 | 7 | 93 | 33 | 119 | 29 |
| Mt. Pulaski..... | 1,127 | 4.5 | | | 2 | 25 | | | 2 | 5 | 2 | 5 |
| Pekin..... | 5,998 | 4 | 18 | 4 | 1 | 12 | 7 | 4 | 5 | 23 | 19 | 36 |
| Peoria..... | 19,319 | 4.5 | 132 | 9 | 3 | 10 | 29 | 6 | 92 | 25 | 150 | 27 |
| Peoria County..... | | 5 | 21 | 9 | | | 1 | 5 | 13 | 9 | 22 | 17 |
| Pontiac..... | 2,243 | 4.4 | 32 | 16 | 11 | 28 | 3 | 4 | 29 | 20 | 32 | 28 |
| Quincy..... | 27,275 | 5 | 12 | 9 | | | | | 13 | 14 | 11 | 36 |
| Rentchler..... | 148 | 3.5 | 2 | 1 | 1 | 12 | 2 | 6 | 2 | 5 | 2 | 8 |
| Rock Falls..... | 894 | 5.7 | 4 | 5 | | | | | 4 | 15 | 3 | 2 |
| Rock Island..... | 11,661 | 4.7 | 77 | 7 | 16 | 18 | 38 | 4 | 51 | 38 | 76 | 33 |
| Springfield..... | 18,746 | 5.1 | 30 | 11 | 14 | 23 | 5 | 8 | 23 | 20 | 20 | 58 |
| Sterling..... | 5,089 | 5.2 | 47 | 8 | 9 | 25 | 2 | 15 | 46 | 16 | 46 | 8 |
| Streator..... | 5,158 | 4.1 | 44 | 10 | 24 | 16 | 12 | 4 | 36 | 19 | 32 | 33 |
| Summerfield..... | 751 | 9 | 1 | 5 | | | | | 1 | 10 | 1 | 7 |
| Urbana..... | 2,943 | 5.1 | 10 | 13 | 2 | 39 | 1 | 2 | 2 | 128 | 10 | 51 |
| Totals..... | | | 1,785 | | 335 | | 433 | | 1,633 | | 1,606 | |
| Averages..... | | | | \$8 57 | | \$22 79 | | \$6 59 | | \$25 57 | | \$41 77 |

This table enables us to locate those who make the outlays for the given objects, and upon a close examination will indicate in what places the greater number report sickness, life insurance, membership in unions, etc.

In considering these tables, devoted to the miscellaneous items of family expense, a peculiar interest will doubtless attach to the columns in regard to trades unions, and we consequently make a somewhat closer inspection of the facts shown on that subject.

Out of 2,129 heads of families, we find that 433, or 20+ per cent. of the whole, report certain sums expended for the maintenance of labor organizations. It is possible that some who contributed to these returns took occasion to obscure the amount thus expended in the general sum given for sundries, but as a rule little objection was made to this interrogatory, and we are led to believe that the number who report expenses for this object constitute a very large majority, if not all, of those who belong to such associations. As some societies, however, are nominally secret, and prefer to conceal their membership, it is possible that the above + per cent. is somewhat less than the real proportion of workmen in Illinois who are identified with organizations for their mutual advancement. However this may be, some facts of interest may be deduced from the returns made, which will more fully appear in the following tabulation.

This shows those occupations in which organization is most general, the number in each who report expenditure for this object, and those who do not; and in this connection we have computed the average earnings of those who belong to labor unions, and of those who do not, and the reported cost to the former of maintaining them.

TABLE IX.—*Showing the Influence of Trades Unions upon Earnings.*

| OCCUPATIONS. | Whole number reporting..... | No. connected with trades unions..... | Average earnings of the same.... | Amount expended in support of unions..... | No. not connected with trades unions..... | Average earnings of the same.... |
|-----------------------------|-----------------------------|---------------------------------------|----------------------------------|---|---|----------------------------------|
| Bakers..... | 14 | 1 | \$624 | \$25 | 13 | \$471 |
| Barbers..... | 18 | 1 | 600 | 3 | 17 | 564 |
| Blacksmiths..... | 75 | 7 | 600 | 10 | 68 | 624 |
| Brick layers..... | 46 | 20 | 639 | 6 | 26 | 636 |
| Brick makers..... | 5 | 1 | 468 | 3 | 4 | 404 |
| Butchers..... | 27 | 2 | 501 | 6 | 25 | 516 |
| Cabinet makers..... | 15 | 2 | 696 | 11 | 13 | 430 |
| Car inspectors..... | 6 | 2 | 616 | 5 | 4 | 599 |
| Carpenters..... | 111 | 7 | 496 | 5 | 104 | 556 |
| Carriage makers..... | 5 | 1 | 495 | 3 | 4 | 448 |
| Cigar makers..... | 79 | 59 | 498 | 11 | 20 | 505 |
| Coal miners..... | 232 | 73 | 400 | 4 | 159 | 379 |
| Coopers..... | 22 | 12 | 457 | 6 | 10 | 403 |
| Curriers..... | 7 | 6 | 572 | 5 | 1 | 450 |
| Engineers (locomotive)..... | 12 | 5 | 1,117 | 10 | 7 | 951 |
| Engineers (stationary)..... | 30 | 4 | 551 | 4 | 26 | 649 |
| Firemen (locomotive)..... | 16 | 3 | 643 | 4 | 13 | 676 |
| Glass blowers..... | 3 | 3 | 773 | 8 | | |
| Harness makers..... | 31 | 7 | 623 | 5 | 24 | 525 |
| Horse shoer..... | 1 | 1 | 900 | 6 | | |
| Iron and steel workers..... | 13 | 6 | 923 | 9 | | 508 |
| Laborers..... | 397 | 31 | 373 | 5 | 366 | 342 |
| Machinists..... | 35 | 7 | 634 | 13 | 28 | 632 |
| Machine miners..... | 4 | 2 | 648 | 3 | 2 | 734 |
| Maltsters..... | 5 | 1 | 624 | 10 | 4 | 599 |

Table IX.—Continued.

| OCCUPATIONS. | Whole number reporting..... | No. connected with trades unions..... | Average earnings of the same.... | Amount expended in support of unions..... | No. not connected with trades unions..... | Average earnings of the same.... |
|----------------------------|-----------------------------|---------------------------------------|----------------------------------|---|---|----------------------------------|
| Marble workers..... | 17 | 2 | \$478 | \$5 | 15 | \$582 |
| Moulders..... | 49 | 28 | 719 | 8 | 21 | 702 |
| Nailers..... | 7 | 5 | 1,389 | 11 | 2 | 1,455 |
| Painters..... | 62 | 17 | 562 | 8 | 45 | 480 |
| Paper hangers..... | 6 | 1 | 555 | 3 | 5 | 611 |
| Picture-frame makers..... | 2 | 2 | 765 | 11 | | |
| Plasterers..... | 23 | 7 | 808 | 6 | 16 | 546 |
| Plow-factory men..... | 7 | 1 | 648 | 3 | 6 | 683 |
| Plumbers..... | 10 | 2 | 600 | 5 | 8 | 867 |
| Potters..... | 4 | 1 | 525 | 2 | 3 | 860 |
| Printers..... | 26 | 13 | 712 | 6 | 13 | 596 |
| Rolling-mill hands..... | 5 | 3 | 563 | 7 | 2 | 292 |
| Sawyers..... | 8 | 2 | 648 | 8 | 6 | 490 |
| Shoe makers..... | 32 | 4 | 449 | 3 | 28 | 470 |
| Stone masons..... | 19 | 4 | 437 | 3 | 15 | 475 |
| Stone cutters..... | 28 | 17 | 693 | 5 | 11 | 343 |
| Stove mounters..... | 2 | 2 | 420 | 3 | | |
| Street-car conductors..... | 10 | 3 | 723 | 8 | 7 | 688 |
| Street-car drivers..... | 11 | 2 | 716 | 5 | 9 | 621 |
| Tailors..... | 16 | 1 | 520 | 4 | 15 | 544 |
| Teamsters..... | 66 | 6 | 551 | 4 | 60 | 451 |
| Tinners..... | 21 | 2 | 552 | 5 | 19 | 599 |
| Trunk makers..... | 5 | 5 | 703 | 7 | | |
| Upholsterers..... | 9 | 4 | 465 | 7 | 5 | 490 |
| Wagon makers..... | 12 | 1 | 624 | 3 | 11 | 569 |
| Wood machinists..... | 20 | 12 | 729 | 5 | 8 | 755 |
| Wood workers..... | 17 | 4 | 773 | 11 | 13 | 617 |
| Totals..... | 1,703 | 433 | | | 1,270 | |
| Averages..... | | | \$569 | \$6 59 | | \$476 |

We find here 52 occupations, represented by 1,703 workmen, of whom 433, or 25 per cent., are connected with trades unions, and report certain amounts as expended annually in their support. The remaining 1,270 not reporting any such item of expense, are presumably not so connected, and we institute our comparisons upon that presumption. The average earnings given here are those of the heads of families respectively, and not the combined earnings of the family, as the amount of assistance rendered by wives and children would not be affected by the membership of the father in organizations of this character.

It will be observed that our resultant averages for the earnings of these two classes are, for the members of labor associations \$569, and for those not members \$476 per annum. This, upon the face of it, indicates a very strong case in favor of organization for the pecuniary benefit it confers, but a closer examination as to the showing in specific trades, especially in some of those in which organization is believed to be most general, fails to establish the universality of those benefits.

We find, for instance, that the 68 non-union blacksmiths earn somewhat more than the 7 union blacksmiths; that in regard to bricklayers, who are about equally divided in this respect, the average earnings of the two classes are nearly identical, while the cigar makers, three-fourths of whom belong to the union, show rather the larger earnings for the one-fourth who do not. It may be said, however, in regard to these, that about half of them are working in Chicago, where there have been two strikes during the year, which, although they may have rendered their earnings smaller for the year covered by these reports, really secured to them a considerable advance in wages, the results of which would not appear until the end of another year. The union carpenters also show smaller average earnings than others, but there are only 7 of them as against 104 who are non-union, and the conditions for a comparison are consequently defective. Stationary engineers, marble workers, shoe makers, stone masons, tailors and tinnerns show similar results for similar reasons.

In many of the larger classes, however, and among the more skilled and better organized workers, such as locomotive engineers, iron moulders, printers, painters and stone cutters, the average wage is materially larger among those who are found in the protective societies, and the average results as to the whole number, as already indicated, establish the decided pecuniary advantage of such membership.

An additional feature of this table deserving attention, is the column showing the amounts contributed to maintain these organizations. These vary from \$1 to \$25, but the most of them range from \$3 to \$10, with an average sum for the whole number of \$6.59 per annum. It is essential, of course, to have this item in reckoning the relative remuneration accruing to the two classes, but it must be regarded as trifling when compared with the difference in the average earnings which apparently arises from this moderate investment.

Although the deductions arrived at by this inspection of one feature of our returns must be regarded as indicative rather than conclusive, owing to the insufficiency of the data, they still possess an unusual interest, and deserve some scrutiny because of the difficulty of obtaining any data at all upon this subject. While it might be feasible on the part of the organized classes to furnish exact statistics as to their membership, they could hardly reach those outside of it, so as to obtain a comparison of actual experiences. This

contribution from both has, therefore, a special value, and so far as known constitutes the only statistical summary which has been compiled on this subject. Briefly stated, the conclusions developed by this inquiry are, that 20+ per cent. of our workingmen maintain organizations for their mutual advancement and protection, to the support of which they contribute an average sum of \$6.59 per capita per annum, and that their average earnings are about one-fifth greater than those in the same occupations who are not so organized.

RECAPITULATION.

Having thus carefully scrutinized in detail the various items which enter into the yearly expense account of the average workingman's family, we may present a concise summary of the facts deduced in regard to each, by tabulating the results as follows,—showing, first, the number of families in each case upon whose actual experience the given averages are based, and then the several amounts expended for each item, and the proportion of each to the whole:

TABLE X.—*Recapitulating the results obtained in the preceding tables.*

| CLASSIFICATION. | No. of families on which the averages are based... | Average annual cost per family .. | Percentage of the entire cost of living | CLASSIFICATION. | Average annual cost per family .. | Percentage of the entire cost of living |
|----------------------|--|-----------------------------------|---|--------------------|-----------------------------------|---|
| Rent..... | 1,699 | \$96 83 | 17.42 | Shelter..... | \$123 05 | 23% |
| Fuel..... | 2,129 | 31 22 | 5.63 | | | |
| Meat..... | 2,128 | 67 90 | 12.24 | Subsistence..... | 229 27 | 42% |
| Groceries..... | 2,128 | 161 37 | 29.14 | | | |
| Clothing..... | 1,529 | 55 45 | 10.00 | Clothing..... | 116 42 | 21% |
| Boots and shoes..... | 1,529 | 25 71 | 4.65 | | | |
| Dry goods..... | 1,529 | 35 26 | 6.35 | | | |
| Books, etc..... | 1,785 | 8 57 | 1.54 | Miscellaneous..... | 80 84 | 14% |
| Sickness..... | 1,633 | 25 57 | 4.61 | | | |
| Sundries..... | 1,606 | 46 70 | 8.42 | | | |
| Averages..... | 1,769 | \$554 58 | 100.00 | | \$554 58 | 100% |

In this *resumé* are given the respective average amounts expended for ten specific items, and also for the four general accounts to which they were primarily reduced; and the relations which the given amounts sustain to the whole cost of living is expressed in

percentages extended opposite each. The averages for life insurance and trades unions are embraced in the general sum of sundries, as they are exceptional expenditures, and the number of families reporting them is comparatively small. On the other hand the specified items cover all the essentials of plain living, and the cost of them as shown here is the result of the combined experience of an average of 1,769 families, so that neither the validity nor the comprehensiveness of these ultimate figures can well be challenged.

It will be observed that the sum of these averages is \$554.58, while the general average for the cost of living as shown on page 255, *ante*, is \$507.25. This is only an apparent discrepancy however, as the latter is an average for 2,129 families, the records of some of which are only partial, while this final average is made upon carefully considered details contributed by an average of 1,769 families. The former is of value as presenting the proper contrast with the average earnings deduced by a similar process; the latter as affording the true proportion of the different elements in the expense account.

The percentages however possess the intrinsic value, for by them we may adjust the items, within certain limits of course, for any given total. Assuming \$507.25 to be the true average, it is only necessary to compute 23 per cent. of it for Shelter, 42 per cent. of it for Subsistence, 21 per cent. of it for Clothing, and 14 per cent. for Sundries, to have the proportionate amounts expended for each.

These percentages moreover enable us to institute some comparisons with results obtained by other statisticians who have pursued a similar enquiry.

In the Massachusetts reports for 1875 and 1884, the expense accounts of the average workingman's family are considered and analyzed, and in the latter report a similar treatment is given statistics on the same subject procured in Great Britain. Placing the results of our analysis in juxtaposition with those, we have the following interesting exhibit as to Illinois, Massachusetts and Great Britain, respectively:

TABLE XI.—*Percentages of Expenditure by the Families of Working-men in Illinois, Massachusetts and Great Britain.*

| CLASSIFICATION. | ILLINOIS. | | MASSACHUSETTS | | GREAT BRITAIN. | |
|----------------------|-----------|-----------|---------------|-----------|----------------|-----------|
| | Average | Per cent. | Average | Per cent. | Average | Per cent. |
| Rent..... | \$96 83 | 17.42 | \$148 95 | 19.74 | \$68 55 | 13.48 |
| Groceries..... | *161 37 | 29.14 | 222 68 | 29.52 | 163 50 | 32.16 |
| Meat..... | 67 90 | 12.24 | 100 63 | 13.34 | 69 94 | 13.77 |
| Fish..... | | | 25 00 | 3.31 | 11 24 | 2.21 |
| Milk..... | | | 23 42 | 3.11 | 16 89 | 3.23 |
| Fuel..... | 31 22 | 5.63 | 32 42 | 4.30 | 17 81 | 3.50 |
| Clothing..... | 55 45 | 10.00 | 77 89 | 10.32 | 57 27 | 11.27 |
| Boots and shoes..... | 25 71 | 4.65 | 27 37 | 3.63 | 17 47 | 3.44 |
| Dry goods..... | 35 26 | 6.35 | 15 11 | 2.00 | 17 33 | 3.41 |
| Sundries..... | †80 84 | 14.57 | 80 95 | 10.73 | 68 81 | 13.54 |
| Totals..... | \$554 58 | 100.00 | \$754 42 | 100.00 | \$508 35 | 100.00 |

* Fish included. † Milk included.

The general harmony which prevails in these percentages drawn from widely different sources is strongly confirmatory of our deductions, and at the same time the discrepancies which may be observed afford a very interesting study of the relative cost of living in its details, here and elsewhere. It will be noted that the percentage expended for rent is somewhat less here than in Massachusetts, and more than in Great Britain; that the expenditure for meat is about the same in Massachusetts and Great Britain, but less in Illinois than in either. The proportion for groceries is greatest in Great Britain, and about the same in the two States. The larger percentage expended in Illinois for fuel can hardly be accounted for except upon the hypothesis that a greater quantity is used; but this could not be established except by a comparison of the average size of houses, the data for which is wanting. The widest difference is found in the percentages for dry goods, that for Illinois being much larger than the others. We have already referred to the difficulty in discriminating closely between the outlay for dry goods and that for clothing. For clothing proper our percentage is somewhat less than that of England or Massachusetts, and by combining clothing and dry goods in these columns we have for Illinois 16.35 per cent., for Massachusetts 12.32, and for Great Britain 14.68, the differences being less marked then when the item of dry goods is considered separately.

It should be remarked however that the averages in the Massachusetts report are based upon the itemized accounts of 19 families in that State, and of 16 families in Great Britain, while those for Illinois are drawn

from the estimates made by an average of 1,769 families. Yet the value of the deductions can not be measured wholly by the mere numerical representation, as the smaller number, being selected with special reference to their representative character, may well be regarded as fairly typical of the communities from whence they are drawn.

Dr. Engel, the head of the Statistical Bureau at Berlin, Prussia, has also formulated the results of his investigations as to the cost of living in that country, and has given us three tables of percentages, for three different classes of the population—those receiving very small incomes, those receiving larger incomes, and those in easy circumstances—with a view to establishing not only the ratios existing between the several items of expenditure, but the variation of those ratios as affected by greater or less incomes.

Making use of the percentages deduced for the intermediate class, as most nearly corresponding with our working classes, and condensing the details of the foregoing table to the more generic classification, we are enabled to present a still broader field for the comparison of these average percentages of expenditure.

TABLE XII.—*Comparative Percentages of Expenditures in Illinois, Massachusetts, Great Britain and Prussia.*

| ITEMS. | Illinois, Per cent.... | Massachusetts Per cent.... | Great Britain, Per cent.... | Prussia, Per cent.... | Average, Per cent.... |
|-------------------|---------------------------|-------------------------------|--------------------------------|--------------------------|--------------------------|
| Subsistence | 41.38 | 49.28 | 51.36 | 55.00 | 49.25 |
| Clothing | 21.00 | 15.95 | 18.12 | 18.00 | 18.27 |
| Rent | 17.42 | 19.74 | 13.48 | 12.00 | 15.66 |
| Fuel | 5.63 | 4.30 | 3.50 | 5.00 | 4.61 |
| Sundries | 14.57 | 10.73 | 13.54 | 10.00 | 12.21 |
| | 100. | 100. | 100. | 100. | 100. |

This interesting abstract of the ultimate deductions of various investigators in different countries affords rather a remarkable confirmation of the general soundness of the conclusions of all of them, and at the same time presents a comparative statement based upon such a wide range of data as to give it the highest statistical value. However subsequent inquiry may affect these specific figures, there

can be no doubt of the general accuracy of the fixed relations shown here between the various elements in the average cost of living.

The variance observable in the percentages for the two States in this country is not less interesting than that between the different countries. The food supplies, for instance, in Illinois, absorb a smaller proportion of the income than in Massachusetts, and in that State less than in either of the other countries. On the other hand, the proportion for clothing is greater in this State, and that for rent is smaller, than in Massachusetts; and, although the percentage for fuel is greater here, the two, rent and fuel together, constitute a smaller proportion of the whole than the sum of those two percentages for Massachusetts. In the matter of sundry expenses, however, which may be regarded as representing all the workingman has above the mere essentials of living, the percentage is larger here than in any of the other localities, and more than the general average for all of them.

A glance at the relative percentages in this country and Europe may be had by combining those for Illinois and Massachusetts as representative of conditions in the United States, and also those for Great Britain and Prussia as representative of European conditions. This process, although obscuring the distinctive features of the respective places, affords an interesting summarized exhibit, as follows:

| ITEMS OF EXPENDITURE. | United States, Per cent.... | Europe, Per cent.... |
|-----------------------|--------------------------------|-------------------------|
| Subsistence..... | 45.33 | 53.18 |
| Clothing..... | 18.47 | 18.06 |
| Rent..... | 18.58 | 12.74 |
| Fuel..... | 4.97 | 4.25 |
| Sundries..... | 12.65 | 11.77 |
| | 100. | 100. |

Here the contrast is maintained between the percentages for subsistence—that for Europe, or the mean between England and Germany, being nearly 20 per cent. greater than that for this country, or the mean between Illinois and Massachusetts. The difference in

regard to clothing is, however, almost obscured, although the percentage is naturally still somewhat larger for this expenditure on this side the water. In the percentages expended for house rent, there is the widest discrepancy of all,—the proportion of the income expended for shelter being 50 per cent. greater in this country. How far this may be accounted for by the better character of the tenements in this country, and how much of the difference is legitimately chargeable to higher rentals, can hardly be determined without further data from abroad. The difference between the two countries in the fuel percentage is not material, but the proportion expended for miscellaneous purposes is larger with us.

Having thus analyzed and determined the general character of the expenses incurred by the average workingman in Illinois, in the support of his family, we may close this branch of the subject with a brief summary of the conclusions to which this enquiry has led.

1. It appears that 42 per cent. of the family expenses of workingmen in this State are for food, 23 per cent. for rent and fuel, 21 per cent. for clothing, and 14 per cent. for miscellaneous purposes.

2. That, as compared with the working classes in Massachusetts, those in this State expend smaller percentages of their income for subsistence and shelter, and larger percentages for clothing and for miscellaneous purposes.

3. That, as compared with the middle classes of workmen in foreign countries, those of Illinois show still smaller percentages for subsistence, but larger percentages for clothing, shelter and sundries—which, it is believed, indicates not only higher prices for clothing and shelter in this country, but also better home surroundings, and a higher standard of living.

4. That out of 2,129 families, living in 53 different places, 1,399, or 65+ per cent., pay rent, at the average rate of \$96.83 per annum for tenements averaging 4.07 rooms each; that 730, or 34+ per cent., own the homes in which they live; that while this percentage obtains for the State at large, only 7 per cent. of those reporting from Chicago are house-owners, and 17 per cent. of those in the mining communities, while in 19 of our principal towns 48+ per cent. have homes of their own.

5. That 15+ per cent. of the heads of families are able to insure their lives for the benefit of their families; and that the average sum expended by each for this purpose is \$22.79 per annum.

6. That 433, or 20 per cent. of the 2,129 heads of families, are connected with labor organizations, at an annual cost of \$6.59 per capita; and that the average earnings of these is somewhat larger than the average for those in the same occupations not connected with such organizations.

CHAPTER V.

PRICES OF COMMODITIES IN ILLINOIS, AND ELSEWHERE.

While we have shown the relative earnings of workingmen in various occupations and places, and the amounts expended in maintaining their families, by averages in dollars and cents, it is evident that the real measure of both must be found in the purchasing power of the money, or, in other words, in the prevailing prices of commodities. It is not so important what the specific wages may be in a given locality, as what amount of those things necessary to comfortable living they represent. Those wages are best which secure the necessities of life at the least expenditure of time, skill and endeavor, regardless of the specific amount of earnings, because there remains a greater surplus of time and energy to devote to other purposes. The worker may continue to expend these in the same direction, for more wages, but what he wants and gets is more of the equivalents of money. Consequently, it is essential to know not only what earnings the industrial classes may receive in this State, but what they can buy with them; and any comparisons in regard to the economic conditions of industrial communities must embrace a consideration of the prices of commodities, in order to fix the real standard of wages.

With a view to ascertaining the retail prices of staple articles of subsistence in Illinois, so as to perfect the foregoing wage presentation, we have procured from thirty-four of the principal cities and towns from which our statistics of earnings have originated, price-lists of groceries, provisions and fuel. These are the prime necessities, which absorb more than half the average income, and the prices of which most nearly affect the family expense account.

The figures have been obtained from dealers whose trade is chiefly among the working classes, and represent the current prices at which

the specified articles are sold in small quantities. From Chicago and some of the larger places lists of prices have been procured from more than one place of business, to show what local variations there may be, so that, in all, we have reports from 46 dealers distributed throughout the State, giving the retail selling prices of those commodities in most general use among the working people whose incomes and expenses we have considered.

From this array of figures we undertake to derive the ruling prices for the common articles of food, and of fuel, for the State at large for the current year. In regard to some of them there may be a possible question as to the precise grade or quality intended, as in the case of flour, tea, sugar, etc., of which there is a variety of kinds and prices, which it was found impracticable to define in our blanks, except in general terms. In regard to the greater part of the list, however, the articles have a standard character, and the difference in prices is not great. Bearing in mind the general character of the stores and of their customers, it will not be difficult to understand the kind of goods to which the figures refer.

With these comments, we present the following table, showing the prevailing prices in different places, and the averages derived from them for the State at large.

TABLE I.—Showing the retail prices of Groceries,

| Towns. | Family flour per barrel | Corn meal per cwt. | Bread per loaf | Brown bread per loaf | Crackers per pound | Milk per quart | Coffee per pound | Tea (common) per pound | Sugar per pound | Eggs per dozen | Butter per pound | Cheese per pound | Molasses per gallon | Soap per pound | Salt per sack | Baking powder per pound | Bacon per pound |
|-----------------|-------------------------|--------------------|----------------|----------------------|--------------------|----------------|------------------|------------------------|-----------------|----------------|------------------|------------------|---------------------|----------------|---------------|-------------------------|-----------------|
| Aurora | \$6 00 | \$1 40 | 7 | 7 | 10 | 6 | 25 | 50 | 9 | 25 | 30 | 18 | 50 | 5 | 20 | 40 | 12 |
| Alton | 6 00 | 1 00 | 4 | 5 | 8 | 4 | 16 | 50 | 8 | 20 | 25 | 15 | 50 | 5 | 15 | 35 | 10 |
| Alton (North) | 6 50 | 1 50 | 5 | 5 | 10 | 7 | 15 | 50 | 8 | 15 | 25 | 15 | 50 | 5 | 10 | 25 | 12½ |
| Bloomington | 6 00 | 1 50 | 5 | 5 | 8 | 6 | 20 | 50 | 8 | 25 | 30 | 20 | 60 | 6 | 10 | 35 | 12 |
| Carlinville | 6 00 | 1 40 | 6 | 7½ | 10 | 6 | 17 | 75 | 9 | 17 | 20 | 20 | 70 | 6 | 10 | 50 | 12½ |
| Centralia | 6 15 | 1 65 | 5 | 5 | 8 | 5 | 20 | 35 | 8 | 15 | 20 | 18 | 50 | 8 | 10 | 25 | 12½ |
| Champaign | 6 40 | 1 50 | 5 | 10 | 5 | 20 | 60 | 10 | 20 | 30 | 30 | 18 | 60 | 10 | 10 | 45 | 12 |
| Chicago | 7 00 | 3 00 | 7 | 7 | 10 | 6 | 25 | 50 | 9 | 25 | 30 | 18 | 80 | 7 | 5 | 25 | 25 |
| Chicago | 6 50 | 2 00 | 6 | 6 | 10 | 6 | 30 | 40 | 8 | 20 | 30 | 18 | 80 | 7 | 5 | 40 | 14 |
| Chicago | 6 50 | 2 00 | 6 | 7 | 10 | 6 | 25 | 50 | 8 | 15 | 30 | 17 | 60 | 7 | 5 | 45 | 15 |
| Collinsville | 7 00 | 2 00 | 6 | 4 | 10 | 6 | 25 | 50 | 8 | 15 | 30 | 18 | 80 | 6 | 5 | 40 | 16 |
| Collinsville | 6 75 | 1 75 | 7 | 10 | 9 | 6 | 25 | 50 | 9 | 25 | 30 | 17 | 85 | 7 | 10 | 45 | 15 |
| Coal City | 6 20 | 1 80 | 5 | 5 | 8 | 5 | 22 | 50 | 9 | 17 | 25 | 17 | 30 | 6 | 10 | 50 | 12 |
| Danville | 7 00 | 75 | 10 | 10 | 8½ | 6½ | 20 | 50 | 10 | 25 | 25 | 20 | 70 | 10 | 10 | 25 | 16 |
| Danville | 6 50 | 70 | 7½ | 7½ | 10 | 5 | 18 | 40 | 12 | 20 | 25 | 20 | 60 | 6 | 10 | 40 | 15 |
| DuQuoin | 6 00 | 1 40 | 4 | 4 | 9 | 6 | 18 | 50 | 9 | 12½ | 20 | 18 | 60 | 6½ | 8 | 35 | 12½ |
| East St. Louis | 6 50 | 75 | 5 | 5 | 8 | 7½ | 20 | 50 | 7 | 20 | 30 | 16 | 50 | 5 | 15 | 20 | 12½ |
| Equality | 6 00 | 96 | 8½ | 8½ | 8 | 10 | 14 | 50 | 9 | 15 | 20 | 20 | 40 | 5 | 10 | 25 | 10 |
| Freeport | 6 00 | 1 50 | 6 | 6 | 8 | 5 | 16 | 50 | 8 | 15 | 25 | 16 | 75 | 5 | 20 | 50 | 14 |
| Freeport | 6 00 | 2 00 | ... | 6 | 10 | ... | 16 | 55 | 8 | 16 | 25 | 15 | 75 | 5 | 20 | 50 | 14 |
| Fulton | 6 40 | 1 40 | 5 | 5 | 6½ | 5 | 20 | 60 | 9 | 13 | 20 | 15 | 60 | 6 | 10 | 50 | 15 |
| Gardner | 6 60 | 2 00 | 5 | ... | 10 | 5 | 18 | 50 | 9 | 20 | 25 | 17 | 80 | 6 | 15 | 37½ | 15 |
| Galesburg | 6 60 | 2 00 | 5 | 5 | 8 | 6 | 20 | 75 | 9 | 25 | 30 | 18 | 70 | 6½ | 10 | 50 | 15 |
| Galena | 5 70 | 1 75 | 5 | 5 | 10 | 5 | 15 | 50 | 8 | 12½ | 25 | 12½ | 50 | 5 | 10 | 25 | 12½ |
| Jacksonville | 6 00 | 1 50 | 5 | 5 | 10 | 6 | 30 | 40 | 12½ | 15 | 25 | 18 | 75 | 6 | 10 | 40 | 12½ |
| Joliet | 6 70 | 1 80 | 5 | 5 | 10 | 5 | 20 | 50 | 9 | 25 | 25 | 18 | 60 | 7 | 10 | 30 | 14 |
| Joliet | 7 00 | 1 60 | 5 | 5 | 10 | 5 | 25 | 60 | 9 | 25 | 25 | 15 | 60 | 6 | 10 | 50 | 15 |
| Lincoln | 8 00 | ... | 5 | 5 | 10 | 6 | 30 | 60 | 12½ | 15 | 25 | 18 | 75 | 10 | 15 | 60 | 14½ |
| Lockport | 5 50 | 1 20 | 5 | 5 | 9 | 6 | 25 | 60 | 9 | 20 | 22 | 16 | 50 | 6½ | 10 | 40 | 14 |
| Mattoon | 6 50 | 1 20 | 5 | 8 | 8½ | 6 | 17 | 60 | 8½ | 20 | 25 | 18 | 60 | 6 | 5 | 35 | 15 |
| Moline | 6 00 | 85 | 5 | 5 | 8 | ... | 17½ | 60 | 8½ | 25 | 27½ | 17 | 60 | 5 | 7 | 35 | 13 |
| Pekin | 6 00 | 85 | 5 | 5 | 8 | ... | 17½ | 40 | 8½ | 25 | 27 | 13 | 60 | 5 | 5 | 35 | 13 |
| Peoria | 6 40 | 1 00 | 5 | ... | 8 | 5 | 20 | 30 | 6 | 22 | 28 | 20 | 50 | 5 | 10 | 35 | 15 |
| Pontiac | 6 00 | 1 40 | 5 | 5 | 10 | 5 | 16 | 50 | 7 | 15 | 18 | 14 | 60 | 6 | 15 | 50 | 12½ |
| Quincy | 5 50 | 1 25 | 5 | 5 | 10 | 5 | 25 | 50 | 8½ | 30 | 28 | 17 | 85 | 6 | 5 | 50 | 14 |
| Quincy | 5 75 | 2 00 | 5 | 5 | 10 | 6 | 25 | 50 | 8 | 15 | 30 | 20 | 75 | 6 | 5 | 45 | 15 |
| Quincy | 5 75 | 2 00 | 5 | 5 | 8 | 5 | 20 | 50 | 8 | 25 | 30 | 20 | 50 | 6 | 5 | 35 | 12½ |
| Rentchler | 6 50 | 1 50 | 5 | 5 | 8 | 5 | 20 | 50 | 9 | 15 | 25 | 17½ | 80 | 6 | ... | ... | ... |
| Rock Island | 6 00 | 2 00 | 5 | 5 | 8 | 6½ | 20 | 50 | 10 | 30 | 30 | 16 | 60 | 6½ | 5 | 30 | 14 |
| Rock Island | 6 40 | 1 00 | 6 | 6 | 9 | 5 | 20 | 50 | 11 | 25 | 23 | 14 | 60 | 10 | 25 | 40 | 15 |
| Rock Island | 6 50 | 2 00 | 10 | 10 | 8½ | 7 | 20 | 60 | 10 | 20 | 30 | 15 | 75 | 7 | 8 | 45 | 12½ |
| Springfield | 5 50 | 1 40 | 7 | 7 | 8 | 7 | 20 | 50 | 7 | 20 | 25 | 16 | 50 | 5 | 20 | 40 | 11 |
| Springfield | 4 75 | 1 50 | 4 | ... | 8½ | 7 | 16 | 65 | 7 | 20 | 25 | 20 | 60 | 8½ | 10 | 30 | 13 |
| Sterling | 6 00 | 2 00 | 5 | 5 | 8 | 5 | 20 | 35 | 7½ | 16 | 28 | 16 | 50 | 5 | 10 | 50 | 10 |
| Streator | 6 50 | 1 60 | 5 | 5 | 10 | 6 | 18 | 60 | 8 | 20 | 20 | 12½ | 50 | 5 | 8 | 40 | 12½ |
| Streator | 6 60 | 1 80 | 5 | 5 | 10 | 6 | 20 | 60 | 8 | 20 | 20 | 15 | 60 | 5 | 10 | 40 | 15 |
| Gen. averages.. | \$6 26 | \$1 54 | 5 6 | 5 8 | 9 | 5 8 | 20 5 | 51 7 | 8 7 | 17 4 | 25 8 | 17 | 62 2 | .06 | 10 6 | 38 9 | 13 7 |

Provisions and Fuel in Illinois in 1884.

| Hard wood per cord. | Soft coal per ton..... | Kerosene per gallon. | Vinegar per gallon..... | Lard per pound..... | Balsam per pound..... | Canned fruits— 2-pound..... | Dried peaches per pound..... | Dried apples per pound..... | Onions per bushel..... | Beans per quart..... | Potatoes per bushel..... | Fresh fish per pound..... | Mackerel per pound..... | Codfish per pound..... | Hams (smoked) per pound..... | Salt pork per pound..... | Poultry per pound..... | Mutton per pound..... | Beef or pork— Kansing per pound..... | Beef— Soup or canned..... |
|---------------------|------------------------|----------------------|-------------------------|---------------------|-----------------------|--------------------------------|---------------------------------|--------------------------------|------------------------|----------------------|--------------------------|---------------------------|-------------------------|------------------------|---------------------------------|--------------------------|------------------------|-----------------------|---|------------------------------|
| \$8 00 | \$3 50 | 20 | 25 | 12 | 12 | 25 | 10 | 75 | 1 00 | 50 | 50 | 10 | 10 | 8 | 15 | 12 1/2 | 14 | 13 | 13 | 10 |
| 4 50 | 2 25 | 20 | 25 | 12 | 12 | 25 | 10 | 80 | 1 20 | 50 | 50 | 10 | 10 | 8 | 15 | 12 1/2 | 14 | 13 | 13 | 10 |
| 3 50 | 2 50 | 20 | 25 | 12 | 12 | 25 | 10 | 1 20 | 1 00 | 50 | 40 | 10 | 10 | 10 | 10 | 12 1/2 | 14 | 13 | 13 | 8 |
| 3 00 | 2 00 | 25 | 25 | 12 | 12 | 25 | 10 | 75 | 1 00 | 50 | 50 | 10 | 10 | 10 | 10 | 12 1/2 | 14 | 13 | 13 | 8 |
| 5 00 | 3 75 | 20 | 25 | 12 | 12 | 25 | 10 | 60 | 1 00 | 50 | 35 | 10 | 10 | 10 | 10 | 12 1/2 | 14 | 13 | 13 | 8 |
| 8 00 | 5 50 | 18 | 25 | 15 | 15 | 25 | 10 | 60 | 1 00 | 50 | 60 | 10 | 10 | 10 | 10 | 12 1/2 | 14 | 13 | 13 | 12 |
| 7 50 | 4 50 | 30 | 17 | 14 | 14 | 25 | 10 | 85 | 1 00 | 50 | 50 | 10 | 10 | 10 | 10 | 12 1/2 | 14 | 13 | 13 | 10 |
| 6 00 | 5 00 | 25 | 18 | 13 | 13 | 25 | 10 | 84 | 1 00 | 50 | 50 | 10 | 10 | 10 | 10 | 12 1/2 | 14 | 13 | 13 | 9 |
| 7 25 | 5 50 | 30 | 15 | 15 | 15 | 25 | 10 | 80 | 1 00 | 50 | 45 | 10 | 10 | 10 | 10 | 12 1/2 | 14 | 13 | 13 | 10 |
| 6 00 | 3 50 | 20 | 20 | 12 1/2 | 12 1/2 | 25 | 10 | 90 | 1 00 | 50 | 50 | 10 | 10 | 10 | 10 | 12 1/2 | 14 | 13 | 13 | 12 1/2 |
| ----- | 2 50 | 22 | 20 | 15 | 15 | 25 | 10 | 80 | 1 00 | 50 | 50 | 10 | 10 | 10 | 10 | 12 1/2 | 14 | 13 | 13 | 9 |
| 5 00 | 2 00 | 40 | 15 | 14 | 14 | 25 | 10 | 40 | 1 00 | 50 | 30 | 10 | 10 | 10 | 10 | 12 1/2 | 14 | 13 | 13 | 12 |
| 2 00 | 1 75 | 20 | 22 | 15 | 15 | 25 | 10 | 40 | 1 00 | 50 | 30 | 10 | 10 | 10 | 10 | 12 1/2 | 14 | 13 | 13 | 10 |
| 5 00 | 2 20 | 30 | 20 | 12 1/2 | 12 1/2 | 25 | 10 | 1 20 | 1 20 | 55 | 55 | 10 | 10 | 10 | 10 | 12 1/2 | 14 | 13 | 13 | 12 1/2 |
| 2 25 | 1 75 | 25 | 11 | 10 | 10 | 25 | 10 | 65 | 1 00 | 45 | 45 | 10 | 10 | 10 | 10 | 12 1/2 | 14 | 13 | 13 | 10 |
| 6 00 | 4 50 | 35 | 18 | 12 1/2 | 12 1/2 | 25 | 10 | 50 | 1 00 | 50 | 35 | 10 | 10 | 10 | 10 | 12 1/2 | 14 | 13 | 13 | 11 |
| ----- | 3 75 | 20 | 18 | 12 | 12 | 25 | 10 | 60 | 1 00 | 30 | 30 | 10 | 10 | 10 | 10 | 12 1/2 | 14 | 13 | 13 | 8 |
| 4 00 | 2 75 | 12 | 25 | 12 | 12 | 25 | 10 | 75 | 1 00 | 40 | 40 | 10 | 10 | 10 | 10 | 12 1/2 | 14 | 13 | 13 | 10 |
| 5 50 | 2 50 | 15 | 20 | 12 1/2 | 12 1/2 | 25 | 10 | 1 00 | 1 00 | 45 | 45 | 10 | 10 | 10 | 10 | 12 1/2 | 14 | 13 | 13 | 12 1/2 |
| 4 00 | 4 75 | 30 | 20 | 15 | 15 | 25 | 10 | 80 | 1 00 | 40 | 40 | 10 | 10 | 10 | 10 | 12 1/2 | 14 | 13 | 13 | 10 |
| 4 50 | 2 50 | 25 | 20 | 15 | 15 | 25 | 10 | 80 | 1 00 | 60 | 60 | 10 | 10 | 10 | 10 | 12 1/2 | 14 | 13 | 13 | 8 |
| 5 00 | 3 75 | 20 | 10 | 12 | 12 | 25 | 10 | 80 | 1 00 | 50 | 50 | 10 | 10 | 10 | 10 | 12 1/2 | 14 | 13 | 13 | 8 |
| 6 00 | 3 50 | 30 | 20 | 12 1/2 | 12 1/2 | 25 | 10 | 70 | 1 00 | 50 | 50 | 10 | 10 | 10 | 10 | 12 1/2 | 14 | 13 | 13 | 9 |
| 3 25 | 2 50 | 25 | 25 | 10 | 11 | 25 | 10 | 20 | 1 00 | 40 | 40 | 10 | 10 | 10 | 10 | 12 1/2 | 14 | 13 | 13 | 15 |
| 4 00 | 3 25 | 25 | 15 | 12 | 12 | 25 | 10 | 80 | 1 00 | 45 | 45 | 10 | 10 | 10 | 10 | 12 1/2 | 14 | 13 | 13 | 10 |
| 4 25 | 2 50 | 25 | 20 | 15 | 15 | 25 | 10 | 80 | 1 00 | 50 | 50 | 10 | 10 | 10 | 10 | 12 1/2 | 14 | 13 | 13 | 9 |
| 3 35 | 2 25 | 25 | 20 | 15 | 15 | 25 | 10 | 80 | 1 00 | 45 | 45 | 10 | 10 | 10 | 10 | 12 1/2 | 14 | 13 | 13 | 8 |
| 3 50 | 2 25 | 25 | 20 | 11 | 11 | 25 | 10 | 80 | 1 00 | 40 | 40 | 10 | 10 | 10 | 10 | 12 1/2 | 14 | 13 | 13 | 9 |
| 4 00 | 2 00 | 25 | 25 | 10 | 10 | 25 | 10 | 90 | 1 00 | 60 | 60 | 10 | 10 | 10 | 10 | 12 1/2 | 14 | 13 | 13 | 12 |
| 4 50 | 2 50 | 25 | 20 | 15 | 15 | 25 | 10 | 50 | 1 00 | 30 | 30 | 10 | 10 | 10 | 10 | 12 1/2 | 14 | 13 | 13 | 10 |
| 5 00 | 3 50 | 15 | 12 | 12 | 12 | 25 | 10 | 50 | 1 00 | 45 | 45 | 10 | 10 | 10 | 10 | 12 1/2 | 14 | 13 | 13 | 9 |
| 5 50 | 3 50 | 20 | 20 | 1 1/2 | 1 1/2 | 25 | 10 | 1 00 | 1 00 | 50 | 50 | 10 | 10 | 10 | 10 | 12 1/2 | 14 | 13 | 13 | 9 |
| 5 00 | 3 50 | 30 | 20 | 12 1/2 | 12 1/2 | 25 | 10 | 17 1/2 | 1 00 | 60 | 60 | 10 | 10 | 10 | 10 | 12 1/2 | 14 | 13 | 13 | 10 |
| ----- | 1 25 | 25 | 20 | 15 | 15 | 25 | 10 | 70 | 1 00 | 40 | 40 | 10 | 10 | 10 | 10 | 12 1/2 | 14 | 13 | 13 | 8 |
| 4 50 | 2 75 | 20 | 20 | 12 1/2 | 12 1/2 | 25 | 10 | 60 | 1 00 | 50 | 50 | 10 | 10 | 10 | 10 | 12 1/2 | 14 | 13 | 13 | 8 |
| 5 00 | 3 50 | 25 | 25 | 10 | 10 | 25 | 10 | 17 | 1 00 | 30 | 30 | 10 | 10 | 10 | 10 | 12 1/2 | 14 | 13 | 13 | 8 |
| 4 00 | 2 25 | 20 | 18 | 12 | 12 | 25 | 10 | 75 | 1 00 | 60 | 60 | 10 | 10 | 10 | 10 | 12 1/2 | 14 | 13 | 13 | 9 |
| 4 00 | 2 00 | 20 | 18 | 11 | 11 | 25 | 10 | 90 | 1 00 | 50 | 50 | 10 | 10 | 10 | 10 | 12 1/2 | 14 | 13 | 13 | 7 |
| 5 00 | 2 25 | 20 | 17 | 12 | 12 | 25 | 10 | 1 00 | 1 00 | 50 | 50 | 10 | 10 | 10 | 10 | 12 1/2 | 14 | 13 | 13 | 8 |
| 5 00 | 3 50 | 25 | 20 | 12 | 12 | 25 | 10 | 60 | 1 00 | 25 | 25 | 10 | 10 | 10 | 10 | 12 1/2 | 14 | 13 | 13 | 8 |
| ----- | 2 00 | 25 | 20 | 10 | 10 | 25 | 10 | 60 | 1 00 | 40 | 40 | 10 | 10 | 10 | 10 | 12 1/2 | 14 | 13 | 13 | 9 |
| ----- | 2 00 | 30 | 20 | 12 1/2 | 12 1/2 | 25 | 10 | 1 00 | 1 00 | 40 | 40 | 10 | 10 | 10 | 10 | 12 1/2 | 14 | 13 | 13 | 9 |
| \$4 80 | \$2 95 | 26 | 19 | 16 | 16 | 26 | 10 | 18 | 2 | 9 | 45 | 8 | 10 | 3 | 13 | 4 | 12 | 12 | 12 | 9 |

From this table we derive the following list of average prices, which may be regarded as properly supplementing our tables of average earnings and expenses, and as true of this State for the month of April, 1884:

TABLE II.—*Showing average prices of Food Supplies and Fuel, for the State.*

| ARTICLES. | Average Prices. | ARTICLES. | Average Prices. |
|-------------------------------------|-----------------|--------------------------------|-----------------|
| Family flour, per barrel..... | \$6 26. | Mutton, per pound | \$0 12.1 |
| Corn meal, per hundred-weight.... | 1 54. | Poultry, per pound | 12.6 |
| Bread, white, per loaf | 05.6 | Salt pork, per pound | 12. |
| Bread, brown, per loaf | 05.8 | Hams, smoked, per pound..... | 15.3 |
| Crackers, per pound..... | 09. | Codfish, dry, per pound | 09.8 |
| Milk, per quart | 05.8 | Mackerel, salt, per pound..... | 10.3 |
| Coffee, roasted, per pound..... | 20.5 | Fresh fish, per pound | 10.5 |
| Tea, common, per pound | 51.7 | Potatoes, per bushel | 45.8 |
| Sugar, brown, per pound..... | 08.7 | Beans, per quart | 09.7 |
| Eggs, per dozen | 17.4 | Onions, per bushel..... | 81.9 |
| Butter, per pound | 25.8 | Dried apples, per pound..... | 10.3 |
| Cheese, per pound..... | 17. | Dried peaches, per pound..... | 13.4 |
| Molasses, per gallon..... | 62.2 | Canned fruit, per can..... | 18.2 |
| Soap, common bar, per pound..... | 06. | Raisins, per pound | 13.4 |
| Salt, per sack | 10.6 | Lard, per pound | 12.4 |
| Baking powder, per pound | 38.9 | Vinegar, per gallon..... | 26. |
| Bacon, per pound | 13.7 | Kerosene, per gallon | 19.6 |
| Beef, corned, per pound | 09.7 | Soft coal, per ton..... | 2 95. |
| Beef or pork, roast, per pound..... | 12.3 | Hard wood, per cord..... | 4 80. |

The reports of the Massachusetts bureau contain tables similar to the foregoing compiled for different periods during the last twenty-three years, and giving the current prices for staple articles of food and for fuel, for the years 1860, 1872, 1878, 1881 and 1883, in that State. By collating these we have the serial exhibit of prices in Massachusetts, and may bring the current prices obtained in this State into comparison with them.

TABLE III.—*Prices in Massachusetts, 1860-1883, and in Illinois, 1884.*

| QUAN- TITY. | ARTICLES. | MASSACHUSETTS. | | | | | ILLINOIS |
|----------------|-----------------------------|----------------|----------|----------|----------|----------|----------|
| | | 1860 | 1872 | 1878 | 1881 | 1883 | 1884 |
| | <i>Groceries.</i> | | | | | | |
| Lb | Flour, wheat, family..... | \$0 03.6 | \$0 06.5 | \$0 04.1 | \$0 04.4 | \$0 03.6 | \$0 03.1 |
| " | Corn-meal | 02.3 | 01.8 | 02. | 03.1 | 02.7 | 01.5 |
| " | Codfish, dry. | 05.3 | 08.3 | 06. | 07.5 | 10.2 | 09.8 |
| Qt. | Beans..... | 08. | 09.5 | 08.3 | 13.3 | 11.8 | 09.7 |
| Lb | Tea, Oolong..... | 54.8 | 69. | 60.3 | 58. | 53.9 | 51.7 |
| " | Coffee, roasted | 23. | 42.5 | 26.5 | 28.8 | 20.9 | 20.5 |
| " | Sugar, good, brown..... | 08.3 | 10.3 | 08.8 | 09.1 | 08. | 08.7 |
| Gal | Molasses, New Orleans | 50.8 | 70. | 57.3 | 66.5 | 69.7 | 62.2 |
| Lb | Soap, common | 08.8 | 08. | 08. | 06.8 | 08. | 06. |
| Gal..... | Oil, kerosene | | 30. | | | 18.6 | 19.6 |

Table III.—Continued.

| QUAN- TITY. | ARTICLES. | MASSACHUSETTS. | | | | | ILLINOIS |
|----------------|---------------------|----------------|--------|--------|--------|--------|----------|
| | | 1860 | 1872 | 1878 | 1881 | 1883 | 1884 |
| | <i>Provisions.</i> | | | | | | |
| Lb..... | Beef, roasting..... | 11. | 19. | 14.5 | 17. | 16.9 | 12.3 |
| .. | Beef, corned..... | 06.5 | 10.5 | 08. | 10.3 | 10.5 | 09.7 |
| .. | Mutton, leg..... | 12.5 | 19. | 17.3 | 16.3 | 16.1 | 12.1 |
| .. | Pork, salt..... | 11. | 11. | 09.8 | 13.3 | 11.8 | 12. |
| .. | Pork, hams..... | 13. | 13.5 | 12.5 | 15.3 | 15. | 15.3 |
| .. | Lard..... | 13.3 | 14.8 | 10.8 | 14.8 | 12.4 | 12.4 |
| .. | Butter..... | 21.8 | 39.3 | 25.3 | 34.7 | 30.2 | 25.8 |
| .. | Cheese..... | 13.3 | 17.5 | 12.3 | 17.5 | 14.5 | 17. |
| Bus..... | Potatoes..... | 59. | 1 02. | 97.8 | 1 26. | 74.7 | 45.8 |
| Qt..... | Milk..... | 04.8 | 08. | 05.3 | 06. | 07.1 | 05.8 |
| Doz..... | Eggs..... | 20.3 | 30. | 25. | 32.5 | 36. | 17.4 |
| | <i>Fuel.</i> | | | | | | |
| Ton..... | Coal..... | 5 72. | 8 25. | 5 75. | 6 00. | 6 20. | 2 95. |
| Cord..... | Wood, hard..... | 10 38. | 16 20. | 10.77. | 14 34. | 10 32. | 4 80. |

This indicates uniformly lower prices for this class of supplies, here, than in Massachusetts, although, as has been indicated, it is possible that in some cases there may be a corresponding difference in the respective grades of the articles specified. Yet, as the figures, in both instances, have been procured for the common purpose of illustrating the cost of living to working people, and from sources most likely to afford correct information on the subject, the differences which appear in our favor are presumably in the prices themselves.

From the same report we obtain a statement of the prevailing prices of similar supplies in Great Britain, as procured by agents of the Massachusetts bureau in 1883. This enables us to extend our comparisons to that country, and we present the following comparative table of current prices for the three widely separated communities:

TABLE IV.—*Prices of Groceries, Provisions and Fuel, in Illinois, Massachusetts and Great Britain, 1883-4.*

| QUAN- TITY. | ARTICLES. | Illinois, 1884. | Massachu- setts, 1883. | Great Britain 1883. | ARTICLES WHICH ARE LOWEST IN PRICE IN— | | |
|--------------------|-----------------------------|-----------------|---------------------------|------------------------|---|---------------------|-------------------|
| | | | | | Illinois. | Massa- chusetts. | Great Britain. |
| <i>Groceries.</i> | | | | | | | |
| Pound.. | Flour, wheat, family | \$0 03.1 | \$0 03.6 | \$0 03.3 | Flour | | |
| Pound.. | Corn meal | 01.5 | 02.7 | 01.8 | Corn meal | | |
| Pound.. | Codfish, dry | 09.8 | 10.2 | 08.5 | | | Codfish .. |
| Quart.. | Beans | 09.7 | 11.3 | 07.5 | | | Beans |
| Pound.. | Tea, Oolong | 51.7 | 53.9 | 61.6 | Tea | | |
| Pound.. | Coffee, roasted | 20.5 | 20.9 | 35.4 | Coffee | | |
| Pound.. | Sugar, good, brown | 08.7 | 08. | 06. | | | Sugar |
| Gallon.. | Molasses, New Orleans | 62.2 | 69.7 | 57.6 | | | Molasses .. |
| Pound.. | Soap, common | 06. | 08. | 05.8 | | | Soap |
| Gallon.. | Oil, kerosene | 19.6 | 18.6 | 17. | | | Kerosene .. |
| <i>Provisions.</i> | | | | | | | |
| Pound.. | Beef, roasting | 13.3 | 16.9 | 22.8 | Beef | | |
| Pound.. | Beef, corned | 09.7 | 10.5 | 17.8 | Beef | | |
| Pound.. | Mutton | 12.1 | 21.1 | 19.5 | Mutton | | |
| Pound.. | Pork, salted | 12 | 11.8 | 17.6 | | Pork | |
| Pound.. | Pork, bacon | 13.7 | 17. | 17.2 | Bacon | | |
| Pound.. | Lard | 12.4 | 12.4 | 18.6 | Lard | | |
| Pound.. | Butter | 25.8 | 30.2 | 34.7 | Butter | | |
| Pound.. | Cheese | 17. | 14.5 | 16. | | | Cheese |
| Bushel.. | Potatoes | 45.8 | 74.7 | 66. | Potatoes | | |
| Quart.. | Milk | 05.8 | 07.1 | 07.3 | Milk | | |
| Dozen.. | Eggs | 17.4 | 36. | 39. | Eggs | | |
| <i>Fuel.</i> | | | | | | | |
| Bushel.. | Coal | 11.8 | 24.8 | 12.1 | Coal | | |

This comparison, so far as it goes, is interesting as showing lower prices in general for standard articles of food in Illinois, than in either Massachusetts or Great Britain. Especially is this noticeable in breadstuffs and meats. In regard to tea and coffee, while there may be an element of uncertainty as to the respective qualities referred to, yet the English prices are those reported as paid by the working classes, and as such are conspicuously higher than those paid by the corresponding class in this country. The price of coal is virtually the same in Illinois and Great Britain, for the common reason that they are both coal-producing localities; while it is much higher in Massachusetts owing to necessary transportation charges. The coal used in the latter State, however, is the anthracite coal of Pennsylvania, which is superior in quality to that of either Illinois or Great Britain. The average price of anthracite coal in this State would be found to be higher than in Massachusetts, but there is little of it used here among people of small means, and our figures refer to the native bituminous coals. The anomalous fact that such

articles as kerosene, codfish and New Orleans molasses are lower in Great Britain than in this country will doubtless be observed, but the reasons for it are not readily apparent.

This comparison in prices of food supplies and fuels is not, however, conclusive as to the relative cost of living, as the outlay for these objects constitutes only a little more than half the entire family expense. To perfect the comparison it would be necessary to consider the relative prices paid, here and elsewhere, for shelter and clothing, the exact data for which are wanting. We have previously shown, however, that the percentage of income paid for rents in this country is about 50 per cent. greater than in Europe, and that that for clothing is also somewhat greater, which, in the absence of the specific prices of articles, may be accepted as indicating a higher cost for those factors in the expense of living, for this State and country.

Mr. Carroll D. Wright, Chief of the Massachusetts Bureau, has of late made, with characteristic power of analysis, some fundamental deductions, from a mass of pertinent data, as to the ratio existing between the cost and character of the living afforded workmen in Massachusetts and in Great Britain. His conclusions are carefully wrought out from the best statistical information obtainable, due allowance being made for all qualifying circumstances, and they constitute the best product of statistical enquiry on this subject. We introduce them here as suitably supplementing the foregoing notes and tables on the same subject.

The results arrived at are concisely stated as follows:

"That the Massachusetts workingman expends 48.41 per cent. more for the support of his family than the workingman in Great Britain. Of this, 5.80 per cent. is paid extra for articles which could be purchased that much cheaper in Great Britain; 11.49 per cent. is paid extra to secure more and larger rooms and more air space than the workingman in Great Britain enjoys; while the remainder, 31.12 per cent., indicates also an extra amount expended by the Massachusetts workingman to secure better home surroundings and maintain a higher standard of living than that secured by the workingman in Great Britain."

In other words, while the Massachusetts workingman expends 48.41 per cent. more for the support of his family, he supports them 42.61 per cent. better, leaving only 5.80 per cent. of the greater cost

of living chargeable to higher prices in Massachusetts. Our own tables enable us to trace some analogous comparisons between Illinois and both Massachusetts and Great Britain.

Mr. Wright, in the pursuit of his investigations, procured the statements of 19 typical families of workmen in Massachusetts, and of 16 typical families of the same general class in Great Britain. From these he compiled comparative tables, showing the relative earnings and expenses, and an analysis of the expense accounts for the two groups. In order to bring the experience of workmen in Illinois into this comparison, we select, not families, but groups of families, representing 20 of the principal occupations pursued by workmen in this State. These 20 groups contain a total of 1,373 families, and the average earnings and cost of living of each group are tabulated to correspond with the arrangement for Massachusetts and Great Britain. In this case, the average experience of a large number of families in each occupation is given as the unit in the table, instead of the statements of single families. This gives us the following exhibit for Illinois, based upon the financial statements of 1,373 families.

TABLE V.—*Earnings and Expenses of Twenty Representative Groups of Illinois Workmen.*

| OCCUPATIONS. | No. of families.... | Average number in family..... | Average earnings of head of family | Average earnings of members of family..... | Total earnings.... | Total expenses... | Average surplus... |
|----------------------------------|---------------------|-------------------------------|------------------------------------|--|--------------------|-------------------|--------------------|
| Blacksmiths..... | 75 | 4.66 | \$622 35 | \$53 77 | \$676 12 | \$539 97 | \$136 15 |
| Bricklayers..... | 46 | 4.26 | 637 60 | 61 57 | 699 17 | 600 80 | 98 37 |
| Butchers..... | 27 | 5.07 | 514 70 | 43 60 | 558 30 | 469 22 | 88 38 |
| Cabinet makers..... | 15 | 3.87 | 466 13 | 69 60 | 535 73 | 463 46 | 72 27 |
| Carpenters..... | 111 | 4.43 | 552 44 | 72 85 | 625 29 | 532 73 | 92 56 |
| Clay makers..... | 79 | 3.88 | 492 42 | 84 94 | 577 36 | 527 70 | 49 66 |
| Coal miners..... | 232 | 4.98 | 385 43 | 85 70 | 471 13 | 435 87 | 35 26 |
| Coopers..... | 22 | 5.23 | 432 18 | 52 09 | 484 27 | 474 05 | 10 22 |
| Engineers (Loc. and Stat'y)..... | 42 | 4.53 | 742 31 | 45 69 | 788 00 | 635 50 | 152 50 |
| Harness makers..... | 31 | 3.87 | 547 52 | 58 06 | 605 58 | 548 26 | 57 32 |
| Laborers..... | 397 | 4.57 | 344 59 | 69 03 | 414 02 | 388 38 | 25 64 |
| Machinists..... | 35 | 4.57 | 661 37 | 10 23 | 671 60 | 563 23 | 108 37 |
| Moulders..... | 49 | 4.31 | 712 04 | 32 15 | 744 19 | 622 48 | 121 71 |
| Painters..... | 62 | 4.19 | 508 10 | 29 43 | 537 53 | 485 61 | 46 92 |
| Plasterers..... | 23 | 4.73 | 625 09 | 27 35 | 652 04 | 595 52 | 57 52 |
| Printers..... | 26 | 3.81 | 654 56 | 49 02 | 703 58 | 647 04 | 56 54 |
| Shoemakers..... | 32 | 5.41 | 467 40 | 36 63 | 504 03 | 458 41 | 45 62 |
| Stone cutters..... | 28 | 4.64 | 627 07 | 89 | 627 96 | 559 54 | 68 42 |
| Tinners..... | 21 | 5.00 | 594 57 | 35 33 | 629 90 | 535 64 | 94 26 |
| Wood machinists..... | 20 | 3.85 | 739 50 | 14 00 | 753 50 | 627 00 | 126 50 |
| Averages..... | 1,373 | 4.49 | \$566 15 | \$46 61 | \$612 76 | \$535 55 | \$77 21 |

We find here an average family of 4.49 persons, the head of which earns \$566.15, the other members \$46.61, and the whole family \$612.76 per annum. Out of this there is paid for the maintenance of the family \$535.55, leaving an average surplus for the year of \$77.21. Expressed in percentages, the workingman in Illinois earns 92 per cent of the family income, and other members of the family 8 per cent. Of the combined earnings, 87 per cent. is expended for the support of his family, and 13 per cent. constitutes his surplus. The companion table for Massachusetts is as follows:

TABLE VI.—*Showing the Earnings and Expenses of Nineteen Representative Families of Massachusetts Workingmen.*

| NUMBER OF PERSONS— | | Earnings of heads of family. | Earnings of members of family. | Total earnings. | Total expenses. | Surplus or debt. |
|--------------------|----------|------------------------------|--------------------------------|-----------------|-----------------|------------------|
| In family. | At work. | | | | | |
| 6 | 2 | \$616 00 | \$224 00 | \$840 00 | \$661 00 | +\$179 00 |
| 6 | 3 | 572 00 | 364 00 | 936 00 | 936 00 | ..... |
| 4 | 1 | 616 00 | 300 00 | 616 00 | 616 00 | —33 00 |
| 6 | 3 | 624 00 | 390 00 | 1,014 00 | 1,014 00 | ..... |
| 6 | 2 | 450 00 | 156 00 | 606 00 | 432 00 | +174 00 |
| 6 | 3 | 390 00 | 456 00 | 846 00 | 846 00 | ..... |
| 6 | 3 | 385 00 | 358 00 | 743 00 | 743 00 | ..... |
| 6 | 3 | 416 00 | 195 00 | 611 00 | 611 00 | ..... |
| 6 | 3 | 520 00 | 184 00 | 704 00 | 653 00 | +51 00 |
| 6 | 2 | 608 00 | 282 00 | 890 00 | 890 00 | ..... |
| 6 | 2 | 624 00 | 300 00 | 924 00 | 924 00 | ..... |
| 3 | 2 | 520 00 | 780 00 | 1,300 00 | 1,185 00 | +115 00 |
| 5 | 1 | 614 00 | 260 00 | 874 00 | 874 00 | ..... |
| 3 | 2 | 1,040 00 | ..... | 1,040 00 | 834 00 | +206 00 |
| 3 | 2 | 520 00 | 260 00 | 780 00 | 540 00 | +240 00 |
| 2 | 2 | 494 00 | 156 00 | 650 00 | 650 00 | ..... |
| 4 | 2 | 470 00 | 156 00 | 626 00 | 626 00 | ..... |
| 5 | 2 | 520 00 | 130 00 | 650 00 | 650 00 | ..... |
| 6 | 1 | 616 00 | ..... | 616 00 | 616 00 | ..... |
| 5.21 | 2.15 | \$558 68 | \$244 79 | \$803 47 | \$754 42 | \$49 05 |

Here is an average family of 5.21 persons, the head of which earns \$558.68, the other members \$244.79, and the whole family \$803.47, per annum. From this is paid, for total family expenses, \$754.42, leaving a surplus of \$49.05. In this case the head of the family earns 70 per cent., and the other members 30 per cent., of the family income, and 94 per cent. of it is absorbed in the support of the family, leaving a surplus equal to 6 per cent. of the total earnings.

The difference in the aggregate earnings, noticed here, is of less significance than might at first appear, as the Massachusetts average for earnings, if based upon as large a number of families as that of Illinois, would doubtless be materially reduced. As it is, however, the excess in Massachusetts is not in the earnings of the head of the family, which is really somewhat less than in Illinois,

but in the earnings of wives and children, from whom the Massachusetts workingman receives more than five times as much assistance as the Illinois workingman. But admitting that the combined earnings of the average workingman's family in Massachusetts is 31 per cent. greater, as appears above, than that of the average family in this State, his family expenses, on the other hand, are 41 per cent. greater, and the net surplus of the Illinois workingman is a sum equal to 12.60 per cent. of his income, while that of the same class in Massachusetts is only 6.11 per cent. of the income,—the amount of the Illinois surplus being, however, 57 per cent. greater than that in Massachusetts, and not twice as large, as the percentage might indicate.

The statements of workingmen, procured by the agents of the Massachusetts bureau in Great Britain, are embodied in the following table:

TABLE VII.—*Showing the Earnings and Expenses of Sixteen Representative Families of Workingmen in Great Britain.*

| NUMBER OF PERSONS— | | Earnings of heads of family. | Earnings of members of family. | Total earnings. | Total expenses. | Surplus or debt. |
|--------------------|----------|---------------------------------------|---|--------------------|--------------------|---------------------|
| In family. | At work. | | | | | |
| 6 | 1 | \$282 24 | | \$282 24 | \$282 24 | |
| 5 | 3 | 126 52 |\$666 64 | 793 16 | 647 18 | ..... |
| 5 | 3 | 243 30 | 209 24 | 452 54 | 452 64 |+\$145 98 |
| 4 | 2 | 277 36 | 101 21 | 378 57 | 378 57 | ..... |
| 7 | 3 | 326 02 | 192 21 | 518 23 | 518 23 | ..... |
| 7 | 2 | 227 73 | 88 56 | 316 29 | 316 29 | ..... |
| 6 | 3 | 253 03 | 253 04 | 506 07 | 506 07 | ..... |
| 8 | 4 | 291 96 | 310 62 | 602 58 | 602 58 | ..... |
| 7 | 3 | 248 17 | 327 49 | 575 66 | 575 66 | ..... |
| 6 | 2 | 417 50 | 151 82 | 569 32 | 569 32 | ..... |
| 8 | 3 | 399 01 | 272 50 | 671 51 | 671 51 | ..... |
| 5 | 3 | 462 27 | 321 16 | 783 43 | 783 43 | ..... |
| 6 | 3 | 301 69 | 129 95 | 430 64 | 430 64 | ..... |
| 6 | 1 | 379 55 | ..... | 379 55 | 379 55 | ..... |
| 4 | 2 | 311 59 | 88 56 | 400 15 | 400 15 | ..... |
| 7 | 3 | 379 55 | 180 04 | 559 59 | 559 59 | ..... |
| 6.06 | 2.56 | \$309 84 | \$207 63 | \$517 47 | \$508 35 | \$9 12 |

The average size of family in this instance is 6.06 persons,—a materially larger family than is found in either of the preceding tables. The earnings, however, are smaller than in either case, being \$309.84 for the head of the family, \$207.62 for the other members, and \$517.47 for both. Of this amount, \$508.35 is expended for the support of the family, leaving a surplus of \$9.12. The head of the family earns 60 per cent. of the whole income; the other members 40 per cent. They expend, in even figures, 98 per cent. for maintenance, and save 2 per cent.

We have seen that Illinois workingmen as compared with those in Massachusetts require very much less assistance from their wives and children, and that the amount of their savings, in spite of apparently smaller earnings, is 57 per cent. greater.

As compared with the English workingmen our advantages in both these respects are still more marked. The workingman in Great Britain derives 40 per cent. of his income from the labor of wife and children, while in this State only 8 per cent. of the average income is derived from that source. He can save from the combined earnings of his family less than 2 per cent. of his total receipts, while workingmen in Massachusetts show an average saving of 6.11 per cent. of their incomes, and those in Illinois 12.60 per cent. of their incomes.

To present these results more forcibly to the eye, we give the following arrangement of the respective percentages:

| CLASSIFICATION. | ILLINOIS. | | MASSACHUSETTS. | | GREAT BRITAIN. | |
|------------------------------------|-----------|----------|----------------|----------|----------------|----------|
| | Average. | Percent. | Average. | Percent. | Average | Percent. |
| Persons in family..... | 4.49 | ..... | 5.21 | ..... | 6.06 | ..... |
| Total earnings..... | \$612 76 | ..... | \$893 47 | ..... | \$517 47 | ..... |
| Earnings of head of family..... | 566 15 | 92.39 | 554 68 | 69.53 | 309 81 | 59.88 |
| Earnings of members of family..... | 46 61 | 7.61 | 244 79 | 30.47 | 207 63 | 40.12 |
| Total expenses..... | 585 55 | 87.40 | 754 42 | 93.89 | 508 35 | 98.24 |
| Surplus..... | 77 21 | 12.60 | 49 05 | 6.11 | 9 12 | 1.76 |

Referring to the deductions of Mr. Wright in regard to the relative standard of living among workingmen in Massachusetts and in Great Britain, and assuming that the higher standard obtains in Illinois equally with Massachusetts, we are led to the conclusion that, while the assistance demanded of wives and children by the average workingman in Great Britain is five times as great as that called for by the necessities of workingmen in Illinois, and the average savings of the latter is eight times as much as that of the former, the Illinois workingman enjoys a mode of life, in his home surroundings and general standard of living, 42.60 per cent. better than his neighbor in Great Britain, or, as expressed in direct ratio by Mr. Wright, the standard of living of Illinois workingmen, assuming it to be equal to that in Massachusetts, is to that of the workingmen of Great Britain as 1.42 to 1., while the cost of it absorbs less of the income, and leaves more of an average surplus.

This introduction of comparisons however is regarded as of incidental interest, rather than as a conclusive argument. The question of practical concern is not so much whether the condition of the industrial classes here is better or worse than in other countries, or other sections of this country. It is whether that condition is good enough, whether it is what the spirit of the age demands, and the natural abundance here of the good things of life should lead the people to expect. As long as it is less than that, no matter of public concern is of graver import than this, and measures for the well being of the classes upon whom the whole superstructure of society rests, should receive no secondary consideration.

CHAPTER VI.

HOURS OF LABOR IN ILLINOIS.

In Part I of this report there are various tables showing the number of months in which the manufacturing establishments of the State were in active operation during the census year, also the number of months in which they were run on full time, or less than full time, and, in the same connection, the hours of daily labor of employes in those establishments. From these are deduced the average working time per annum for the different industries, and the average number of hours worked daily by different classes of workmen. The facts thus tabulated are derived from the official returns of manufacturers to the Federal Government, and are regarded as statistically true of the State at large for that year.

As a supplementary contribution on the same general subject of the hours of labor prevalent in Illinois, the data for which originates with the employé, instead of the employer, we have compiled from records in our possession the facts as to the actual number of hours worked per day, and the number of weeks worked per year, by 2,129 workmen of various trades and places, for the year 1883-4. These facts are shown in averages for occupations, and, in connection with the hours and weeks of labor, the average weekly wages and annual earnings for each class are given. The following table will consequently be found to possess important data upon the subject of hours and earnings in Illinois:

TABLE I.—Showing Average Hours Worked per Day, and Weeks Worked per Annum, together with Weekly and Annual Earnings of different classes of Workingmen.

| OCCUPATIONS. | Number of fam- ilies..... | AVERAGE HOURS WORKED PER— | | | Average weeks worked per an- num..... | Average weekly wages..... | Average annual earnings of head of family..... |
|-----------------------------|------------------------------|------------------------------|--------------------|---------------|--|---------------------------------|---|
| | | Day in winter.. | Day in summer.. | Year | | | |
| Bakers..... | 14 | 11½ | 12 | 10 75 | 50 | 49 00 | \$190 00 |
| Barbers..... | 18 | 12½ | 13 | 12 75 | 51 | 11 54 | 590 00 |
| Baggagemen..... | 12 | 12 | 12 | 12. | 52 | 10 38 | 540 00 |
| Boilermakers..... | 9 | 9 | 10 | 9 50 | 47 | 14 96 | 675 00 |
| Boilermakers' helper..... | 10 | 10 | 10 | 10. | 52 | 8 00 | 400 00 |
| Bookbinders..... | 2 | 11 | 5 | 8. | 52 | 16 00 | 832 00 |
| Blacksmiths..... | 75 | 9 | 10 | 9 50 | 46 | 13 65 | 628 00 |
| Blacksmiths' helpers..... | 5 | 9 | 10 | 9 50 | 49 | 9 40 | 508 00 |
| Brakemen..... | 5 | 9½ | 9½ | 9 50 | 45 | 11 28 | 508 00 |
| Bookkeepers..... | 5 | 9 | 9 | 9. | 51 | 16 50 | 852 00 |
| Brass workers..... | 6 | 10 | 10 | 10. | 36 | 14 55 | 522 00 |
| Brewers..... | 6 | 11 | 11 | 11. | 51 | 12 56 | 628 00 |
| Bricklayers..... | 46 | 6 | 11 | 8 50 | 33 | 19 39 | 637 00 |
| Brick makers..... | 5 | 3 | 10 | 6 50 | 33 | 16 74 | 402 00 |
| Bridge builders..... | 3 | 10 | 10 | 9 50 | 43 | 18 65 | 802 00 |
| Bridge tenders..... | 5 | 9 | 15 | 11 50 | 52 | 10 38 | 540 00 |
| Broom makers..... | 2 | 8 | 10 | 9 50 | 51 | 11 78 | 591 00 |
| Burnisher..... | 3 | 9 | 10 | 9 50 | 50 | 9 00 | 450 00 |
| Butchers..... | 27 | 11 | 12 | 11 50 | 47½ | 10 90 | 518 00 |
| Cabinetmakers..... | 15 | 8 | 10 | 9. | 45 | 10 44 | 470 00 |
| Cager..... | 1 | 10 | 10 | 10. | 50 | 15 10 | 755 00 |
| Calclmimer..... | 1 | 10 | 10 | 10. | 52 | 9 00 | 468 00 |
| Caller..... | 1 | 11 | 11 | 11. | 52 | 9 00 | 468 00 |
| Car builders..... | 9 | 9 | 11 | 10. | 47 | 8 87 | 417 00 |
| Car inspectors..... | 6 | 9 | 10 | 9 50 | 49 | 12 67 | 616 00 |
| Car painters..... | 2 | 9 | 10 | 9 50 | 42 | 11 09 | 466 00 |
| Car repairers..... | 8 | 10 | 11 | 10 50 | 51 | 16 94 | 547 00 |
| Carpenters..... | 11 | 8 | 10 | 9. | 42 | 13 26 | 557 00 |
| Carriage workers..... | 5 | 11 | 10 | 9 50 | 49 | 16 44 | 512 00 |
| Carriage ironers..... | 2 | 9 | 11 | 9 50 | 46 | 15 45 | 712 00 |
| Carriage painters..... | 7 | 8 | 11 | 9 50 | 43 | 11 53 | 496 00 |
| Carriage trimmers..... | 4 | 8 | 10 | 9. | 46 | 14 81 | 600 00 |
| Catcher..... | 1 | 11 | 11 | 11. | 37 | 30 00 | 1,110 00 |
| Cigar makers..... | 79 | 8 | 9 | 8 50 | 45 | 10 88 | 490 00 |
| Cigar packers..... | 2 | 8 | 8 | 7. | 46 | 11 08 | 510 00 |
| Clerks..... | 6 | 11 | 11 | 11. | 51 | 13 15 | 671 00 |
| Coal miners..... | 46 | 9 | 9½ | 9 25 | 36 | 10 09 | 385 00 |
| Conductors (freight)..... | 232 | 10 | 10 | 10. | 52 | 18 57 | 906 00 |
| Coopers..... | 2 | 10 | 10 | 10. | 42 | 11 02 | 463 00 |
| Curriers..... | 7 | 9 | 10 | 9 50 | 43 | 13 30 | 572 00 |
| Ditchers..... | 3 | 9 | 10 | 9 50 | 34 | 15 76 | 576 00 |
| Draughtsmen..... | 3 | 9 | 9 | 9. | 52 | 16 55 | 861 00 |
| Electrician..... | 1 | 10 | 10 | 10. | 15 | 53 33 | 800 00 |
| Engineers (locomotive)..... | 12 | 10 | 10 | 10. | 51 | 22 09 | 1,076 00 |
| Engineers (stationary)..... | 30 | 9 | 11 | 10. | 43 | 13 91 | 627 00 |
| Express agent..... | 1 | 14 | 14 | 14. | 52 | 13 84 | 720 00 |
| Express drivers..... | 7 | 10 | 11 | 10 50 | 51 | 12 72 | 649 00 |
| Farm hands..... | 2 | 8 | 12 | 10. | 52 | 6 11 | 318 00 |
| Firemen (locomotive)..... | 16 | 10 | 10 | 10. | 49 | 13 22 | 644 00 |
| Firemen (stationary)..... | 9 | 11 | 11 | 11. | 49 | 10 30 | 505 00 |
| Fi-herman..... | 1 | 10 | 10 | 10. | 51 | 12 00 | 612 00 |
| Flagmen..... | 4 | 11 | 12 | 11 50 | 52 | 6 88 | 357 00 |
| Flour packers..... | 3 | 11 | 11 | 11. | 52 | 11 25 | 585 00 |
| Foremen..... | 15 | 10 | 11 | 10 50 | 48 | 20 20 | 974 00 |
| Furnacemen..... | 4 | 11 | 11 | 11. | 51 | 11 25 | 514 00 |
| Gardener..... | 1 | 10 | 10 | 10. | 42 | 9 04 | 389 00 |
| Glider..... | 1 | 10 | 10 | 10. | 50 | 14 41 | 720 00 |
| Glass blowers..... | 3 | 9 | 9 | 9. | 38 | 23 76 | 895 00 |
| Grinders..... | 4 | 9 | 10 | 9 50 | 44 | 13 86 | 610 00 |

Table I.—Continued.

| OCCUPATIONS. | Number of families. | AVERAGE HOURS WORKED PER— | | Year. | Average weeks worked per annum. | Average weekly wages. | Average annual earnings of head of family. |
|-----------------------------|---------------------|---------------------------|----------------|-------|---------------------------------|-----------------------|--|
| | | Day in winter. | Day in summer. | | | | |
| Harness makers..... | 31 | 9 | 10 | 9.50 | 48 | \$11.29 | \$542 00 |
| Heater, (bar mill)..... | 4 | 11 | 11 | 11. | 37 | 39 75 | 1,471 00 |
| Heater, (foundry)..... | 1 | 11 | 11 | 11. | 40 | 30 00 | 1,200 00 |
| Helpers in shop..... | 3 | 9 | 10 | 9.50 | 46 | 9 69 | 446 00 |
| Hod carriers..... | 3 | 8½ | 10 | 9.25 | 41 | 13 29 | 545 00 |
| Horseshoe maker..... | 1 | 10 | 10 | 10. | 40 | 14 50 | 580 00 |
| Horse shoer..... | 1 | 10 | 10 | 10. | 50 | 18 00 | 900 00 |
| Hostlers..... | 3 | 11 | 12 | 11.50 | 52 | 9 15 | 476 00 |
| Iron and steel workers..... | 13 | 9 | 11 | 10. | 38 | 19 87 | 755 00 |
| Janitors..... | 4 | 10 | 11 | 10.50 | 52 | 13 86 | 721 00 |
| Laborers..... | 397 | 9 | 10 | 9.50 | 41 | 8 46 | 347 00 |
| Laborers, (railroad)..... | 16 | 8 | 10 | 9. | 41 | 9 02 | 370 00 |
| Laborers, (coal mine)..... | 19 | 10 | 10 | 10. | 40 | 11 30 | 452 00 |
| Lard renderer..... | 1 | 11 | 11 | 11. | 52 | 10 50 | 546 00 |
| Lather..... | 1 | 8 | 10 | 9. | 36 | 16 50 | 594 00 |
| Laundrymen..... | 12 | 8 | 11 | 9.50 | 51 | 12 75 | 610 00 |
| Lead miners..... | 12 | 10 | 10 | 10. | 43 | 9 21 | 397 00 |
| Lumber handlers..... | 7 | 9 | 10 | 9.50 | 48 | 9 33 | 448 00 |
| Machinists..... | 35 | 9 | 10 | 9.50 | 46 | 14 58 | 671 00 |
| Machinists, (railroad)..... | 7 | 9 | 10 | 9.50 | 46 | 12 63 | 581 00 |
| Machine miners..... | 4 | 10 | 10 | 10. | 49 | 14 20 | 696 00 |
| Malsters..... | 5 | 12 | 12 | 12. | 45 | 13 42 | 604 00 |
| Marble workers..... | 17 | 9 | 10 | 9.50 | 47 | 11 97 | 563 00 |
| Master mechanics..... | 2 | 10 | 10 | 10. | 52 | 26 65 | 1,386 00 |
| Mattress maker..... | 1 | 8 | 9 | 8.50 | 30 | 14 66 | 440 00 |
| Millers..... | 16 | 11 | 11 | 11. | 49 | 18 16 | 872 00 |
| Millwrights..... | 2 | 10 | 10 | 10. | 45 | 13 33 | 600 00 |
| Moulders..... | 49 | 9 | 10 | 9.50 | 44 | 15 85 | 702 00 |
| Monument setter..... | 1 | 9 | 10 | 9.50 | 52 | 11 53 | 600 00 |
| Mule drivers..... | 3 | 10 | 10 | 10. | 41 | 12 09 | 496 00 |
| Nailers..... | 7 | 10 | 10 | 10. | 36 | 39 16 | 1,410 00 |
| Nail-plate shearer..... | 1 | 8 | 8 | 8. | 35 | 14 08 | 493 00 |
| Organ builders..... | 2 | 8½ | 10 | 9.25 | 38 | 15 78 | 600 00 |
| Omnibus driver..... | 1 | 10 | 10 | 10. | 52 | 9 25 | 480 00 |
| Painters..... | 62 | 7½ | 10 | 8.75 | 41 | 13 68 | 561 00 |
| Paper carriers..... | 2 | 10 | 10 | 10. | 52 | 7 00 | 364 00 |
| Paper hangers..... | 6 | 6 | 10 | 8. | 36 | 16 30 | 587 00 |
| Paper maker..... | 1 | 10 | 10 | 10. | 46 | 12 00 | 552 00 |
| Pattern makers..... | 9 | 9 | 10 | 9.50 | 51 | 15 74 | 805 00 |
| Piano makers..... | 2 | 10 | 10 | 10. | 52 | 13 69 | 712 00 |
| Picture-frame makers..... | 2 | 11 | 11 | 11. | 51 | 15 00 | 765 00 |
| Pit bosses..... | 6 | 10 | 10 | 10. | 50 | 13 96 | 696 00 |
| Pit sinkers..... | 2 | 5 | 11 | 8. | 27 | 14 55 | 393 00 |
| Pit-top men..... | 2 | 10 | 11 | 10.50 | 38 | 8 64 | 327 00 |
| Plasterers..... | 23 | 7 | 10 | 8.50 | 34 | 19 03 | 617 00 |
| Plow-factory men..... | 7 | 9 | 10 | 9.50 | 44 | 15 53 | 634 00 |
| Plumbers..... | 10 | 8 | 10 | 9. | 44 | 16 13 | 710 00 |
| Potters..... | 4 | 5 | 10 | 7.50 | 36 | 11 13 | 401 00 |
| Pressmen..... | 2 | 10 | 10 | 10. | 52 | 18 00 | 936 00 |
| Printers..... | 26 | 10 | 10 | 10. | 47 | 13 89 | 663 00 |
| Prison guard..... | 1 | 13 | 13 | 13. | 52 | 10 38 | 540 00 |
| Puddlers..... | 4 | 11 | 11 | 11. | 30 | 26 20 | 786 00 |
| Puddlers' helpers..... | 1 | 10 | 10½ | 10.25 | 35 | 15 42 | 504 00 |
| Quarrymen..... | 5 | 9 | 10 | 9.50 | 36 | 14 16 | 510 10 |
| Rag sorter..... | 1 | 10 | 10 | 10. | 52 | 4 61 | 240 00 |
| Refiner (gas)..... | 1 | 10 | 10 | 10. | 52 | 14 03 | 730 00 |
| River pilot..... | 1 | 12 | 12 | 12. | 30 | 28 00 | 840 00 |
| Boilers..... | 5 | 11 | 11 | 11. | 39 | 41 23 | 1,608 00 |
| Boiling-mill hands..... | 5 | 11 | 11 | 11. | 40 | 10 50 | 420 00 |
| Boughers..... | 2 | 11 | 11 | 11. | 37 | 30 00 | 1,110 00 |

Table I.—Continued.

| OCCUPATIONS. | Number of fam- ilies..... | AVERAGE HOURS WORKED PER— | | | Average weeks worked per an- num. | Average weekly wages..... | Average annual earnings of head of family..... |
|------------------------------|------------------------------|------------------------------|--------------------|-----------|---|---------------------------------|--|
| | | Day in winter..... | Day in summer.. | Year..... | | | |
| Salt maker..... | 1 | 15 | 15 | 15. | 52 | \$15 00 | \$780 00 |
| Saw filer..... | 1 | 9 | 10 | 9.50 | 44 | 13 29 | 585 00 |
| Sawyers..... | 8 | 8 | 10 | 9. | 47 | 11 57 | 544 00 |
| Seamen..... | 2 | 8 | 10 | 9. | 30 | 12 66 | 380 00 |
| Section bosses..... | 5 | 10 | 10 | 10. | 51 | 11 76 | 600 00 |
| Section men..... | 13 | 9 | 10 | 9.50 | 46 | 6 82 | 314 00 |
| Sheet-iron worker..... | 1 | 8 | 10 | 9. | 52 | 11 53 | 600 00 |
| Shoemakers..... | 32 | 10 | 10 | 10. | 50 | 10 04 | 502 00 |
| Silver plater..... | 1 | 8 | 10 | 9. | 18 | 17 89 | 322 00 |
| Shooter (coal)..... | 1 | 10 | 10 | 10. | 43 | 16 00 | 720 00 |
| Sodawater maker..... | 1 | 10 | 10 | 10. | 52 | 15 00 | 780 00 |
| Spinner..... | 1 | 10 | 10 | 10. | 30 | 9 00 | 270 00 |
| Stair builder..... | 1 | 9 | 10 | 9.50 | 52 | 11 61 | 604 00 |
| Station agents..... | 4 | 12 | 12 | 12. | 51 | 14 41 | 735 00 |
| Stone masons..... | 19 | 5 | 9 | 7. | 31 | 18 80 | 583 00 |
| Stone cutters..... | 23 | 5 | 10 | 7.50 | 35 | 17 97 | 629 00 |
| Stove mounters..... | 2 | | 10 | 10. | 33 | 12 42 | 420 00 |
| Street-car conductors..... | 10 | 15 | 15 | 15. | 50 | 13 94 | 697 00 |
| Street-car drivers..... | 11 | 14 | 14 | 14. | 49 | 13 02 | 638 00 |
| Switchmen..... | 3 | 10 | 10 | 10. | 52 | 11 93 | 623 00 |
| Tailors..... | 16 | 10 | 11 | 10.50 | 45 | 12 06 | 543 00 |
| Telegraphists..... | 3 | 11 | 10 | 10.50 | 51 | 15 31 | 781 00 |
| Teamsters..... | 66 | 9 | 11 | 10. | 46 | 10 91 | 502 00 |
| Tilemakers..... | 3 | 9 | 10 | 9.50 | 51 | 9 02 | 460 00 |
| Tinners..... | 21 | 8 | 10 | 9. | 49 | 12 00 | 588 00 |
| Toy maker..... | 1 | 10 | 10 | 10. | 50 | 7 50 | 375 00 |
| Trackmen..... | 6 | 10 | 10 | 10. | 48 | 13 10 | 629 00 |
| Train despatcher..... | 1 | 12 | 12 | 12. | 52 | 20 76 | 1,080 00 |
| Trunkmakers..... | 5 | 10 | 10 | 10. | 49 | 14 34 | 703 00 |
| Upholsterers..... | 9 | 8 | 10 | 9. | 43 | 11 07 | 476 00 |
| Wagonmakers..... | 12 | 9 | 10 | 9.50 | 47 | 11 87 | 558 00 |
| Walter..... | 1 | 12 | 12 | 12. | 50 | 7 02 | 360 00 |
| Watchfactory operatives..... | 3 | 10 | 10 | 10. | 50 | 12 50 | 625 00 |
| Watchmakers..... | 4 | 9 | 9 | 9. | 51 | 13 03 | 665 00 |
| Watchmen..... | 7 | 11 | 11 | 11. | 51 | 12 07 | 616 00 |
| Weaver (carpet)..... | 1 | 10 | 10 | 10. | 52 | 6 01 | 313 00 |
| Weighers..... | 2 | 10 | 10 | 10. | 40 | 12 05 | 482 00 |
| Weildigger..... | 1 | | 10 | 10.90 | 42 | 15 00 | 630 00 |
| Woodmachinists..... | 20 | 9 | 10 | 9.50 | 48 | 14 62 | 702 00 |
| Woodworkers..... | 17 | 9 | 11 | 10. | 48 | 15 23 | 731 00 |
| Wiper (Loc)..... | 5 | 11 | 11 | 11. | 49 | 7 44 | 365 00 |
| Wire-fence maker..... | 1 | 10 | 10 | 10. | 39 | 9 00 | 351 00 |
| Yardmasters..... | 3 | 12 | 12 | 12. | 52 | 18 07 | 940 00 |
| Yardmen..... | 2 | 10 | 10 | 10. | 52 | 9 00 | 468 00 |
| Totals..... | 2,129 | | | | 43.47 | \$13 87 | \$602 85 |
| Averages..... | | 9.41 | 10.43 | 9.90 | | | |

An inspection of this table will give us for each of 163 occupations, the average number of hours worked per day in winter and in summer, and the average for the year; the number of weeks worked during the given year by the several classes, and the average weekly and annual earnings for the same. Consulting the final averages, it is seen that substantially 10 hours constitute a day's work,—the average for all classes being 9.41 hours per day in winter, 10.43 hours in summer, and 9.90 hours for the year.

The noticeable variations from these standard hours are not many, but the most conspicuous example of long daily service is in the street car employments. In these, the hours given by employes in Chicago range from 12 to 16 hours, by far the greater number being obliged to work 16 hours, as the average indicates. In Danville and Aurora men of this class work 14 hours a day, which is probably true of other cities of that size. Other classes who work more than 10 hours a day are bakers, barbers, butchers, clerks, malsters, millers, rolling mill employes, and railroad men, while cigar makers, glass blowers, stone masons, and others work less than 10 hours.

With some, however, the hours of labor are in a measure optional, and others who report long working days are not continuously employed. Of the former class are coal miners, who are paid by the ton. In the more extensive mines where large numbers are employed, regular hours for beginning and quitting work are established, but in a greater number of places the miner comes and goes at will. It is true, however, that he is usually eager to work, and that it is the irregularity of his employment quite as much as the smallness of his pay which keeps him poor. It will be observed that the average number of weeks worked during the year by this class is only 36, which is equivalent to about two-thirds time, and that their weekly earnings are not so much below those of others as their yearly earnings are.

A very important factor in this consideration of relative wages, is the amount of time devoted by the several classes to the earning of those wages; and we consequently produce in this table columns showing the average number of weeks in which each class has had employment, and the average weekly and yearly earnings which have resulted from it. Our average working time for all classes, it will be seen, is 43.47 weeks in the year, or allowing one week for holidays 85+ per cent. of full time. The average of weekly earnings is found to be \$13.87,—the range being from \$6 to \$53 a week, and the average annual earnings of all classes, \$602.85.

Considered in detail this feature of the table presents many points of interest, and sheds additional light on previous tables. The comparatively small earnings of brass workers, for instances, \$522 per annum, will be found to be more the result of lost time, than of small wages, which latter average \$14.50 per week, and which at full time would make their annual earnings \$754. Bricklayers on

the other hand earn \$637 with 33 weeks' work, or \$19.30 per week, and plasterers get 34 weeks' work at \$19.03. The catcher in an iron mill makes \$1,116 with 37 weeks' work, or \$30 per week. Glass blowers earn \$865, but this is for 38 weeks' work, or \$22.76 per week.

Heaters, puddlers, rollers, roughers, nailers and men of that class all show not only large weekly wages, but also short time; while day laborers work an average of 41 weeks in the year for \$8.46 per week, or \$347 per year. The contrast in the condition of these and other classes is not only in the amount of their earnings, but the poorly paid worker usually has much the most labor to perform for what little he does get.

Machinists have 46 weeks' work in the year, at an average of \$14.58 per week, and printers average 47 weeks' work at an average of \$13.89 per week. Railroad sectionmen get plenty of work, 46 weeks, but the smallest pay in the list, \$5.82 per week. Shoemakers work almost continually at an average of \$10.04 per week, and tailors average 45 weeks at \$12.06. Tinnners work 49 weeks at an average wage of \$12, and wood machinists 48 weeks at \$14.62.

The cases cited, and the table as a whole, illustrate and emphasize the importance of presenting all the facts, in any statement relating to economic conditions. Too much care can not be exercised in avoiding errors either of statement or inference in statistical work of any kind, and this is only possible when due weight is given to every modifying circumstance. It is simple enough to compute averages from any given data, but the value of them for purposes of comparison or legitimate deduction must depend upon the uniformity and comprehensiveness of the conditions given.

Hence, in making up this series of tables relating to the earnings and expenses either of individuals or classes, we have given the most careful scrutiny to the character of both, in the endeavor to present every phase of the situation.

We add to the details already presented, one more chapter on the condition of families, as shown by their home surroundings and habits, which will complete the delineation we have attempted for this State.

CHAPTER VII.

THE CONDITION OF FAMILIES.

In order to present a closer view of the manner of living, the surroundings, habits, tastes and daily diet of the Illinois working-man of to-day, under various circumstances and conditions, and to afford a more definite impression as to the details of his environment than can be obtained from the mere contemplation of columns of figures, we transcribe, for a limited number of representative families, their entire record, as procured by our agents, together with the notes of observation, made at the time of the visit. It would be manifestly impracticable to reprint those details in regard to the whole 2,129 families, and we therefore confine the exhibit to 167 families, selecting them with special reference to their representative character, from various places, occupations and walks in life. We, however, give prominence to reports from Chicago, because of the greater interest which will naturally attach to the phases of life shown in that populous metropolis. The first one hundred cases are accordingly selected from the Chicago returns, and the remainder are from various places in the interior of the State, the specific designation of which is omitted, in order to avoid the identification of individuals.

The points of information given here in regard to each family are,—the nationality, occupation and annual earnings of the father, the earnings of other members of the family, the number, age, sex and status of children, the character of the home and of its surroundings and furniture, the articles of food usually had for the several meals, and finally the specific items of expense incurred in supporting the family for the year.

This minute catalogue of the details governing the life of each family portrays more vividly than any mere array of figures can the common current of daily life among the people. The extremes of condition and the average types are alike presented, and it may be seen, not only what manner of life ordinarily prevails with a given

income, but also how some families, by thrift, temperance and prudence, save money and increase their store, upon earnings which other families find insufficient for their support.

The rewards which some of the skilled trades offer to those who succeed in them appear in contrast with the disabilities which accompany other occupations, and it will be seen how workmen in the same trades both prosper and suffer, as men will in all walks of life, with apparently equal opportunities.

This presentation will close the detailed exposition of the status of the workingman in Illinois, and the exhibit here made is commended to the consideration of those who desire the welfare of their kind, and those who may have the responsibilities of administering the affairs of the State.

CHICAGO.

| No. 1. | BAKER. | Scandinavian. |
|---|--------|---------------|
| EARNINGS —Of father..... | | \$375 |
| Of daughter, aged eighteen..... | | 150 |
| Of son, aged fifteen..... | | 48 |
| Total..... | | \$573 |
| CONDITION —Family numbers 7—father, mother and five children, three girls and two boys. The girls aged eight, eleven and eighteen; boys, six and fifteen. Three of the children attend school regularly. The house they occupy contains four rooms, and they pay \$9 per month rent. The house is in an unhealthy and dirty locality, furnished very poorly, and kept in poor condition. The children, when out of school, pick fuel from the railroad tracks and accompanying lumber yards. The family are very ignorant, and live as the generality of the Swede race. Life insurance and trades unions are ignored. | | |
| FOOD — <i>Breakfast</i> —Coffee, bread, syrup. | | |
| <i>Dinner</i> —Lunches, always. | | |
| <i>Supper</i> —Meat, soup and bread. | | |
| COST OF LIVING — | | |
| Rent..... | | \$108 |
| Fuel..... | | 12 |
| Meat and groceries..... | | 200 |
| Clothing, boots and shoes, and dry goods..... | | 150 |
| Books, papers, etc..... | | 3 |
| Sundries..... | | 50 |
| Total..... | | \$523 |
| No. 2. | BAKER. | Pole. |
| EARNINGS —Of father..... | | \$450 |
| CONDITION —Family numbers 5—parents and three children, all girls, aged one month, eighteen months and four years. Rent a house containing three rooms, for which they pay a rental of \$8 per month. Family are very ignorant, dirty and unkempt. The street is narrow and filthy; no pavement; mud knee-deep; no vaults or sewerage. Father works fifty weeks per year, and for a winter day's work he is employed twelve hours, and in summer fourteen. He receives \$1.50 for each day's labor. His house is situated so far from his place of work that he cannot go home at noon. Carries no life insurance, and belongs to no unions. | | |
| FOOD — <i>Breakfast</i> —Coffee, bread and crackers. | | |
| <i>Dinner</i> —Soup, meat and potatoes. | | |
| <i>Supper</i> —What is left from dinner. | | |
| COST OF LIVING — | | |
| Rent..... | | \$96 |
| Fuel..... | | 15 |
| Meat and groceries..... | | 165 |
| Clothing, boots and shoes and dry goods..... | | 70 |
| Books, papers, etc..... | | 3 |
| Sickness..... | | 40 |
| Sundries..... | | 65 |
| Total..... | | \$454 |

CONDITION OF FAMILIES.

359

| No. 3. | BAKER. | Dane. |
|---|--------|-------|
| EARNINGS —Of father..... | | |
| Of son, aged eighteen..... | | \$375 |
| Total..... | | 300 |
| | | |
| CONDITION —Family numbers 4—parents and two children, boy and girl, aged, respectively, eighteen and eleven years. The girl attends school. Family occupies house containing 3 rooms, for which payment of \$7 per month rent is made. House is in unhealthy locality, poorly furnished; no carpets in any of the rooms. Wife is, however, clean and neat. The little girl is intelligent. Family attend church. The neighborhood is very unhealthy. Father receives only \$1.25 per day for his work. He does not carry any life insurance, and belongs to no trades union. | | |
| FOOD — <i>Breakfast</i> —Coffee, crackers, bread and molasses. | | |
| <i>Dinner</i> —Soup, crackers, etc. | | |
| | | |
| COST OF LIVING — | | |
| Rent..... | | \$84 |
| Fuel..... | | 12 |
| Meat and groceries..... | | 300 |
| Clothing and boots and shoes..... | | 150 |
| Books, papers, etc..... | | 2 |
| Sickness..... | | 40 |
| Sundries..... | | 30 |
| Total..... | | \$618 |

| No. 4. | BAKER. | German. |
|--|--------|---------|
| EARNINGS —Of father..... | | |
| Of son, aged sixteen..... | | \$450 |
| Total..... | | 150 |
| | | |
| CONDITION —Family numbers 5—father, mother and three children, all boys, aged sixteen, eleven and thirteen years. Two of them attend public school. They live in three small rooms in rear part of a large house, which are very dark and dirty, and for which they pay \$11 per month. The whole family seem to be very ignorant, and are unable to speak any English. Father works fifty weeks in the year, at an average of \$1.50 per day. He does not belong to any union and carries no life insurance. If it were not for the assistance rendered by the oldest son, their expenses would exceed their earnings. | | |
| FOOD — <i>Breakfast</i> —Bread, coffee and crackers. | | |
| <i>Dinner</i> —Soup, meat and potatoes. | | |
| | | |
| COST OF LIVING — | | |
| Rent..... | | \$192 |
| Fuel..... | | 15 |
| Meat and groceries..... | | 300 |
| Clothing, boots and shoes and dry goods..... | | 100 |
| Books, papers, etc..... | | 3 |
| Sickness..... | | 20 |
| Sundries..... | | 10 |
| Total..... | | \$580 |

| No. 5. | BLACKSMITH. | American. |
|---|-------------|-----------|
| EARNINGS —Of father..... | | |
| | | \$864 |
| CONDITION —Family numbers 5—parents and three girls aged twelve, nine and five years, and all three attend the public schools. They rent a pleasant house containing six rooms, in healthy locality, for which they pay \$15 per month. House is neatly kept and nicely furnished and carpeted. Have piano and sewing machine. Family neatly dressed and members of the church. They were fortunate in not having any sickness whatever in the family during the past year. Father secures work forty-eight weeks in the year, at \$3 per day. | | |
| FOOD — <i>Breakfast</i> —Bread, meat, sundries and coffee. | | |
| <i>Dinner</i> —Meat, bread, vegetables, pie, tea, etc. | | |
| <i>Supper</i> —Bread, cold meat, pie and tea. | | |
| | | |
| COST OF LIVING — | | |
| Rent..... | | \$180 |
| Fuel..... | | 96 |
| Meat and groceries..... | | 345 |
| Clothing, boots and shoes and dry goods..... | | 210 |
| Books, papers, etc..... | | 15 |
| Sundries..... | | 10 |
| Total..... | | \$796 |

No. 6.

BLACKSMITH.

German.

| | |
|---|-------|
| EARNINGS —Of father..... | \$450 |
| CONDITION —Family numbers 7—parents and five children; three boys and two girls, aged from one to seven years. Two of them go to school. Occupy 4 rooms in tenement block, and pay \$12 per month for same. The surroundings are only fair. The rooms are carpeted, and family appear comparatively comfortable, but are not satisfied with their condition. Father belongs to the Labor organization and considers himself somewhat benefited thereby. He, however, is only able to secure work twenty-five weeks in the year, and receives \$3 per day for his work. | |
| FOOD — <i>Breakfast</i> —Bread, meat, butter and coffee. <i>Dinner</i> —Lunch at work; family at home, bread, tea, etc. <i>Supper</i> —Bread, butter, meat and coffee or tea. | |
| COST OF LIVING — | |
| Rent..... | \$144 |
| Fuel..... | 40 |
| Meat and groceries..... | 160 |
| Clothing, boots, shoes and dry goods..... | 80 |
| Books, papers, etc..... | 10 |
| Trades unions..... | 5 |
| Sickness..... | 10 |
| Sundries..... | 25 |
| Total..... | \$474 |

No. 7.

BLACKSMITH.

Irish.

| | |
|--|-------|
| EARNINGS —Of father..... | \$918 |
| CONDITION —Family numbers 6—parents and four children, two girls and two boys, sixteen, fourteen, seven and two years of age. Two of the children attend school regularly. Family occupy house containing 6 rooms, and pay \$15 per month rent for it. The house is comfortable and well furnished, and carpeted throughout. Everything has a homelike appearance. They have had but little sickness in the family during the year. Are members of a church. Father belongs to a trades union, but carries no life insurance. He secures work fifty-one weeks of the year, and receives \$3 per day for his services. | |
| FOOD — <i>Breakfast</i> —Bread, butter and coffee. <i>Dinner</i> —A good meal generally. <i>Supper</i> —Bread, butter and coffee. | |
| COST OF LIVING — | |
| Rent..... | \$180 |
| Fuel..... | 80 |
| Meat..... | 125 |
| Groceries..... | 200 |
| Clothing..... | 100 |
| Boots and shoes..... | 18 |
| Dry goods..... | 50 |
| Books, papers, etc..... | 10 |
| Trades unions..... | 10 |
| Sickness..... | 20 |
| Sundries..... | 5 |
| Total..... | \$798 |

No. 8.

BLACKSMITH.

American.

| | |
|---|---------|
| EARNINGS —Of father..... | \$900 |
| Of others of the family..... | 624 |
| Total..... | \$1,524 |
| CONDITION —Family numbers 9—parents and seven children, four girls and three boys, aged from three to twenty-one years, and three of them attend school. Family live in pleasant and comfortable cottage containing 6 rooms, for which a rental of \$25 per month is paid. Father works fifty weeks in the year and receives \$3 per day. With the help of others of the family, they manage to make both ends meet, and live comfortably. Hopes to see the day when they will receive what they deserve. As it is they indulge in no luxuries or amusements. Father belongs to no trades unions, and carries no life insurance. | |
| FOOD — <i>Breakfast</i> —Bread, meat and coffee. <i>Dinner</i> —Bread, meat, potatoes and desserts. <i>Supper</i> —Bread, meat and tea. | |
| COST OF LIVING — | |
| Rent..... | \$150 |
| Fuel..... | 50 |
| Meat..... | 200 |
| Groceries..... | 600 |
| Clothing..... | 200 |
| Boots and shoes..... | 75 |
| Dry goods..... | 100 |
| Books, papers, etc..... | 10 |
| Sickness..... | 70 |
| Sundries..... | 60 |
| Total..... | \$1,515 |

No. 9.

BRICKLAYER.

Irish.

EARNINGS—Of father.....\$300

CONDITION—Family numbers 8—parents and six children, five girls and one boy, aged from one to twelve years. Three of them go to school regularly. The house they live in contains 4 rooms, and they pay \$10. per month for it. They would like to have more room, but the owners of the tenement do not wish to rent to families having many children. Father says he is satisfied with the general condition, if wages remain as good as they are at present. He belongs to trades union, but carries no life insurance. He works about 30 weeks in the year, and receives on an average \$4.00 per day for his services.

FOOD—Breakfast—Good common food.

Dinner—Good common food.

Supper—Good common food.

COST OF LIVING—

| | |
|--------------------------|-------|
| Rent | \$120 |
| Fuel | 40 |
| Meat | 100 |
| Groceries | \$25 |
| Clothing | 50 |
| Boots and shoes | 40 |
| Dry goods | 100 |
| Books, papers, etc | 2 |
| Trades unions | 3 |
| Sickness | 4 |
| Sundries | 20 |
| Total | \$804 |

No. 10.

BRICKLAYER.

American.

EARNINGS—Of father.....\$364

CONDITION—Family numbers 7—parents and five children, three boys and two girls, aged from one to seven. One of them goes to school. The house they live in is divided into 5 rooms, and make monthly payments for the same, at the rate \$12.50. The house is fairly furnished, and surroundings are good. The family are intelligent and frugal, and attend church. The father works on an average more days each year than most bricklayers, having worked last year 36 weeks and received \$1 per day. He says his wages are 35 per cent. higher since the organization of the trades union.

FOOD—Breakfast—Bread, meat, vegetables and coffee.

Dinner—Bread, meat, vegetables and coffee.

Supper—Bread, meat, vegetables and coffee.

COST OF LIVING—

| | |
|---|-------|
| Rent | \$150 |
| Fuel | 75 |
| Meat and groceries | 200 |
| Clothing, boots and shoes and dry goods | 200 |
| Books, papers, etc | 15 |
| Trades unions | 5 |
| Sickness | 25 |
| Sundries | 50 |
| Total | \$720 |

No. 11.

BRICKLAYER.

American.

EARNINGS—Of father.....\$600

CONDITION—Family numbers 2—husband and wife. Live in comfortable apartments of 4 rooms, and pay \$16 per month for same. Live in good neighborhood and, having no children, they have more of the comforts of life to themselves. The husband secures work for twenty-five weeks in the year, at about \$24 per week. He belongs to the trades union, and considers his wages better than before he was a member. They live well, but spend all the money they make.

FOOD—Breakfast—Bread, butter, vegetables, meat and coffee.

Dinner—Bread, butter, vegetables, meat and coffee.

Supper—Bread, butter, vegetables, meat and coffee.

COST OF LIVING—

| | |
|---|-------|
| Rent | \$192 |
| Fuel, meat, groceries | 225 |
| Clothing, boots and shoes and dry goods | 100 |
| Books, papers, etc | 8 |
| Trades unions | 5 |
| Sickness | 10 |
| Sundries | 60 |
| Total | \$600 |

No. 12.

BRICKLAYER.

American.

EARNINGS—Of father..... \$1,050

CONDITION—Family numbers 7—parents and five children, three boys and two girls, aged from two to eleven years. Two of them attend school. The house they occupy contains 4 rooms, for which they pay rental of \$12 per month. Father says they would like to better themselves as regards the neighborhood, but if he moves farther from the center of the city he would be compelled to pay out too much money for car fare. He is a pressed-brick layer, which branch of the business requires greater skill, and therefore he receives \$1 per day more money than the regular bricklayer. He works thirty-five weeks in the year, at \$5 per day. The trades union is in first-class condition, but is overrun by apprentices. For ordinary living he uses all he makes.

FOOD—Breakfast—Beefsteak, bread, butter and coffee.

Dinner—Meat and vegetables.

Supper—Bread, butter, tea and fruit.

COST OF LIVING—

| | |
|-------------------------|---------|
| Rent..... | \$144 |
| Fuel..... | 50 |
| Meat..... | 156 |
| Groceries..... | 350 |
| Clothing..... | 100 |
| Boots and shoes..... | 50 |
| Dry goods..... | 50 |
| Books, papers, etc..... | 15 |
| Trades unions..... | 3 |
| Sickness..... | 10 |
| Sundries..... | 122 |
| Total..... | \$1,050 |

No. 13.

CARPENTER.

Irish.

EARNINGS—Of father..... \$540

Of son, aged twenty..... 300

Total..... \$840

CONDITION—Family numbers 40—father, who is a widower, and nine children, seven girls and two boys, aged seven, thirteen, fourteen, sixteen, twins seventeen, eighteen, twenty and twenty-two years. Father owns the house they live in, which contains six rooms, which are comfortably furnished; three rooms carpeted; have sewing machine, and manage to live within their means, but to do so they are obliged to economise. One of the children attends school, and the older girls take care of the house. Father only had thirty weeks' work last year, and received \$3 per day. If it was not for the money the boy earns, they could not meet their expenses.

FOOD—Breakfast—Bread, butter and coffee.

Dinner—Bread, butter, meat, etc.

COST OF LIVING—

| | |
|--|-------|
| Fuel..... | \$32 |
| Meat and groceries..... | 432 |
| Clothing, boots and shoes and dry goods..... | 200 |
| Sickness..... | 10 |
| Sundries..... | 100 |
| Total..... | \$774 |

No. 14.

CARPENTER.

American.

EARNINGS—Of father..... \$600

CONDITION—Family numbers 2—husband and wife, who is an invalid. They occupy a house containing 3 rooms, which they bought and are paying for in installments, and it is not entirely paid for as yet. If it were not for the money expended for medicines and doctor bills, they could save some money, but they only manage to keep about even. The husband receives \$2.50 per day, and works about forty weeks in the year.

FOOD—Breakfast—Bread, butter, tea and milk.

Dinner—Bread, butter, tea and milk.

Supper—Bread, butter, tea, milk and meat.

COST OF LIVING—

| | |
|-------------------------|-------|
| Fuel..... | \$56 |
| Meat..... | 109 |
| Groceries..... | 175 |
| Clothing..... | 60 |
| Boots and shoes..... | 20 |
| Dry goods..... | 50 |
| Books, papers, etc..... | 4 |
| Sickness..... | 175 |
| Total..... | \$629 |

CONDITION OF FAMILIES.

363

No. 15.

CARPENTER.

American.

EARNINGS—Of father..... \$720

CONDITION—Family numbers 9—parents and seven children, four girls and three boys, aged from three months to ten years. Two of the children attend school. Family occupy house containing 5 rooms, for which they pay \$20 per month rent. The house is in a good neighborhood. The family are intelligent and attend church. Father works 50 weeks of the year, and receives \$2.40 per day for his labor. He pays \$50 per year car fare to and from his work. Belongs to no trades union and carries no life insurance.

FOOD—*Breakfast*—Bread, butter, meat and coffee
Dinner—Bread, meat, vegetables and coffee.
Supper—Bread, meat, vegetables and coffee.

| | |
|--|-------|
| COST OF LIVING— | |
| Rent..... | \$240 |
| Fuel, meat and groceries..... | 200 |
| Clothing, boots and shoes and dry goods..... | 150 |
| Sickness..... | 40 |
| Sundries..... | 90 |
| Total..... | \$720 |

No. 16.

CARPENTER.

Scandinavian.

EARNINGS—Of father..... \$600

CONDITION—Family numbers 3—parents and one girl two years' old. They occupy 4 rooms in a good tenement house, for which they pay \$12 per month. The rooms are comfortably furnished, and by exercising the utmost economy they are able to save a little money each year. They have had no sickness in the family during the past year. Father works 50 weeks of the year, and receives an average of \$2 per day for his labor. Does not belong to trades union, and carries no life insurance.

FOOD—*Breakfast*—Good substantial food.
Dinner—Good substantial food.
Supper—Good substantial food.

| | |
|--|-------|
| COST OF LIVING— | |
| Rent..... | \$144 |
| Fuel..... | 25 |
| Meat and groceries..... | 208 |
| Clothing, boots and shoes and dry goods..... | 60 |
| Books, papers, etc..... | 10 |
| Sundries..... | 15 |
| Total..... | \$462 |

No. 17.

CARPENTER.

Irish.

EARNINGS—Of father..... \$790

CONDITION—Family numbers 4—parents and two children, two girls, eleven and thirteen years of age, and both attend school. They rent a comfortable cottage, containing 4 rooms, for which they pay \$18 per month. They live more comfortably than the average families in their condition. The father is fortunate in securing steady work the entire year, and what he loses on holidays and by sickness he makes up by working overtime. He has had regular work for several years with one firm. Family attends church. Father belongs to no organization.

FOOD—*Breakfast*—Bread, butter, ham and potatoes.
Dinner—Bread, butter, ham and potatoes.
Supper—Bread, butter, ham and potatoes.

| | |
|-------------------------|-------|
| COST OF LIVING— | |
| Rent..... | \$216 |
| Fuel..... | 65 |
| Meat..... | 75 |
| Groceries..... | 220 |
| Clothing..... | 180 |
| Boots and shoes..... | 25 |
| Dry goods..... | 50 |
| Books, papers, etc..... | 10 |
| Sickness..... | 15 |
| Sundries..... | 20 |
| Total..... | \$776 |

No. 18.

CARPENTER.

Irish.

EARNINGS—Of father..... \$607

CONDITION—Family numbers 8—parents and six children, three boys and three girls, ages not given. Two of the children attend public schools. Family occupy a house containing 4 rooms, for which they pay rent at the rate of \$7 per month. House is in healthy locality, but the surroundings are not very desirable. Family attend church. The parents take a great deal of interest in their children, and seem to live pleasantly and happily. Father carries no life insurance, and belongs to no trades organization.

FOOD—*Breakfast*—Bread, butter, meat, potatoes and coffee.
Dinner—Bread, butter, meat and tea.
Supper—Cold meat, vegetables, bread, butter, pie and tea.

| | |
|-------------------------|-------|
| COST OF LIVING— | |
| Rent..... | \$84 |
| Fuel..... | 60 |
| Meat..... | 50 |
| Groceries..... | 225 |
| Clothing..... | 100 |
| Boots and shoes..... | 20 |
| Dry goods..... | 20 |
| Books, papers, etc..... | 20 |
| Sickness..... | 20 |
| Sundries..... | 19 |
| Total..... | \$618 |

No. 19.

CARPENTER.

American.

EARNINGS—Of father..... \$500

CONDITION—Family numbers 5—parents and three children, one boy and two girls, aged respectively six, four and two years; one of these attends school. Family occupy house containing 4 rooms, for which they pay rent at the rate of \$12 per month. Father is industrious, and works when it is possible to obtain work. He is generally in debt, particularly last year, as he only secured work during forty weeks. He receives from \$2 to \$2.50 per day for his work. Had some sickness, which increased his indebtedness for the year.

FOOD—*Breakfast*—Bread, butter, coffee, potatoes and meat.
Dinner—Bread, butter, coffee, potatoes and dessert.
Supper—Bread, butter, tea, meat and cheese.

| | |
|-------------------------|-------|
| COST OF LIVING— | |
| Rent..... | \$120 |
| Fuel..... | 56 |
| Meat..... | 120 |
| Groceries..... | 200 |
| Clothing..... | 75 |
| Boots and shoes..... | 30 |
| Dry goods..... | 50 |
| Books, papers, etc..... | 10 |
| Sickness..... | 30 |
| Total..... | \$691 |

No. 20.

CARPENTER.

German.

EARNINGS—Of father..... \$624

CONDITION—Family numbers 2—husband and wife. They live in a house containing 2 rooms, located in a good, pleasant and healthy part of the city. Have a nice garden, from which they get vegetables in season. They pay \$15 per month for the house, which is seemingly large rent for a house of 2 rooms, but the large yard and garden accounts for it. Husband works fifty-two weeks of the year, and receives an average of \$2 per day for his labor. He belongs to no trades organization, and carries no life insurance.

FOOD—*Breakfast*—Coffee, sausages, bread, etc.
Dinner—Lunches.
Supper—Tea, meat, potatoes, etc.

| | |
|-------------------------|-------|
| COST OF LIVING— | |
| Rent..... | \$180 |
| Fuel..... | 30 |
| Meat and groceries..... | 250 |
| Clothing..... | 40 |
| Boots and shoes..... | 10 |
| Dry goods..... | 15 |
| Books, papers, etc..... | 5 |
| Sundries..... | 70 |
| Total..... | \$600 |

No. 21.

CIGAR MAKER.

Bohemian.

| | | |
|--------------------------|-------|---------|
| EARNINGS—Of father | \$480 | |
| Of son | 750 | |
| Of son | 600 | |
| Total | | \$1,830 |

CONDITION—Family numbers 7—four boys and one girl. The boys pay for their board to their parents, clothe themselves, and otherwise aid in the support of the family. They occupy a house containing 6 rooms, for which they pay \$12 per month rent. The father is a member of the trades union, and considers himself and family benefited thereby. House is in healthy location, fairly furnished, with 3 of the rooms carpeted. With the assistance of the boys they are enabled to save a little money each year.

FOOD—*Breakfast*—Meat, coffee, bread, butter and potatoes.
Dinner—Meat, vegetables, soup, etc.
Supper—Cold meat, tea, bread and butter.

| | | | |
|-----------------------|-------|--------------------------|---------|
| COST OF LIVING— | | | |
| Rent | \$144 | Dry goods | \$200 |
| Fuel | 80 | Books, papers, etc. | 20 |
| Meat | 100 | Trades unions | 12 |
| Groceries | 300 | Sickness | 75 |
| Clothing | 200 | Sundries | 100 |
| Boots and shoes | 60 | Total | \$1,291 |

No. 22.

CIGAR MAKER.

German.

| | | |
|----------------------------|-------|-------|
| EARNINGS—Of father | \$240 | |
| Of son, aged sixteen | 200 | |
| Total | | \$440 |

CONDITION—Family numbers 8—parents and six children, four boys, aged sixteen, fifteen, nine and six, and two girls, thirteen and two. Occupy house of 3 rooms, for which rent is paid at the rate of \$20 per month. House is scantily and poorly furnished, no carpets, and the furniture being of the cheapest kind. Wife attends to news stand and candy store, and, with the proceeds of this business added to what earnings father and son make, they manage barely to keep out of debt. House is in an unhealthy location and kept in a filthy condition, consequently children are sick at all times. Three children attending school. Father belongs to trades union, and says he is unable to procure steady work, and only works at "piece-work."

FOOD—*Breakfast*—Bread and plain coffee.
Dinner—Lunch.
Supper—Bread, meat and potato soup.

| | | | |
|---|--|-------|---------|
| COST OF LIVING— | | | |
| Rent | | \$240 | |
| Fuel | | 20 | |
| Meat and groceries | | 364 | |
| Clothing, boots and shoes and dry goods | | 150 | |
| Trades unions | | 11 | |
| Sickness | | 100 | |
| Sundries | | 300 | |
| Total | | | \$1,185 |

No. 23.

CIGAR MAKER.

French.

| | | |
|--------------------------|-------|--|
| EARNINGS—Of father | \$790 | |
|--------------------------|-------|--|

CONDITION—Family numbers 4—parents and two children, girl aged seven years and boy five. Live in house containing 6 rooms and pay for same rent at the rate of \$10 per month. Both children attend school. Father carries some life insurance and belongs to trades union, and claims his wages this year are increased thereby about \$200 over his wages of previous years, enabling them to live more comfortably, dress the children better, and eat more substantial and healthy food. Children healthy, bright and intelligent, and attend Sunday school. House is well furnished and has a small library. Live well and seem to be well satisfied, although their expenses equal their earnings.

FOOD—*Breakfast*—Coffee, bread, butter, milk, sugar and potatoes.
Dinner—Tea, bread, butter, ham and eggs, poultry and dessert.
Supper—Coffee, bread, butter, cheese, potatoes.

| | | | |
|-----------------------|-------|--------------------------|-------|
| COST OF LIVING— | | | |
| Rent | \$120 | Books, papers, etc. | \$8 |
| Fuel | 35 | Life insurance | 17 |
| Meat | 100 | Trades unions | 11 |
| Groceries | 300 | Sickness | 80 |
| Clothing | 75 | Sundries | 9 |
| Boots and shoes | 15 | Total | \$790 |
| Dry goods | 20 | | |

| No. 24. | CIGAR MAKER. | American. |
|--|--------------|--------------|
| EARNINGS —Of father | | |
| Of son, aged eighteen | | \$345 |
| Total | | 200 |
| | | \$545 |
| CONDITION —Family numbers 4—parents and two children, son aged eighteen and girl sixteen. Live in house containing four rooms, and pay a monthly rental of \$10. Is a member of the trade union, and considers he is greatly benefited thereby, inasmuch as it has been the means of an increase in his wages. Father attends church and reads a great deal, securing his reading matter from the Public Library. The street being paved the location is comparatively healthy. | | |
| Food — <i>Breakfast</i> —Bread, coffee and butter. | | |
| <i>Dinner</i> —Lunches. | | |
| <i>Supper</i> —Soup, coffee, bread and butter and meat. | | |
| COST OF LIVING — | | |
| Rent | | \$120 |
| Fuel | | 15 |
| Meat and groceries | | 240 |
| Clothing, boots and shoes and dry goods | | 150 |
| Books, papers, etc | | 5 |
| Trades unions | | 11 |
| Total | | \$541 |

| No. 25. | CIGAR MAKER. | German. |
|---|--------------|--------------|
| EARNINGS —Of father | | \$360 |
| CONDITION —Family numbers 5—parents and three children, one boy, aged four, and two girls, seven and ten. Live in a comfortable house containing four rooms, for which payment at the rate of \$9 is made, monthly. Two children attend school. Father belongs to trades union, which he considers of benefit to himself and family. House is well furnished and wife has a sewing machine. The children attend Sunday school. | | |
| Food — <i>Breakfast</i> —Coffee, bread and butter. | | |
| <i>Dinner</i> —Lunches. | | |
| <i>Supper</i> —Soup, meat, etc. | | |
| COST OF LIVING — | | |
| Rent | | \$108 |
| Fuel | | 40 |
| Meat and groceries | | 390 |
| Clothing, boots and shoes and dry goods | | 25 |
| Trades unions | | 11 |
| Total | | \$484 |

| No. 26. | CIGAR MAKER. | German. |
|--|--------------|--------------|
| EARNINGS —Of father | | \$270 |
| Of son, aged fourteen | | 48 |
| Of daughter, aged seventeen | | 240 |
| Total | | \$558 |
| CONDITION —Family numbers 7—parents, three girls, aged eight, twelve and seventeen, and two boys, aged five and fourteen. Rent a house containing seven rooms, for which they pay \$12 per month. Two boys attending school. House situated in an unhealthy locality. | | |
| Food — <i>Breakfast</i> —Bread, meat, potatoes and coffee. | | |
| <i>Dinner</i> —Lunches. | | |
| <i>Supper</i> —Bread, meat, potatoes, tea and pies. | | |
| COST OF LIVING — | | |
| Rent | | \$144 |
| Fuel | | 30 |
| Meat and groceries | | 400 |
| Clothing | | 50 |
| Boots and shoes | | 20 |
| Dry goods | | 30 |
| Books, papers, etc | | 3 |
| Sickness | | 20 |
| Total | | \$697 |

No. 27.

CIGAR MAKER.

German.

| | | |
|---------------------------|-------|-------|
| EARNINGS—Of father | \$450 | |
| Of son, aged fifteen..... | 300 | |
| Total | | \$750 |

CONDITION—Family numbers 6—parents, two boys, aged fifteen and four, and two girls, thirteen and eleven. Live in house containing five rooms, and pay \$11 per month rent. Father belongs to trades union. One girl attending school. House is poorly furnished, locality fair, as far as sanitary condition is concerned. By living economically, manage to save some money.

FOOD—*Breakfast*—Bread, butter, tea and coffee.
Dinner—Bread, butter, tea and coffee.
Supper—Bread, butter, tea and coffee.

| | | |
|--------------------------|-------|-------|
| COST OF LIVING— | | |
| Rent | \$132 | |
| Fuel | 21 | |
| Meat and groceries..... | 70 | |
| Clothing | 100 | |
| Boots and shoes..... | 40 | |
| Dry goods | 100 | |
| Books, papers, etc | 2 | |
| Trades unions..... | 11 | |
| Sickness | 4 | |
| Sundries | 4 | |
| Total | | \$484 |

No. 28.

CIGAR MAKER.

German.

| | |
|-------------------------|-------|
| EARNINGS—Of father..... | \$600 |
|-------------------------|-------|

CONDITION—Family numbers 3—parents and one child, aged eighteen months. Live in house containing 4 rooms, for which a rental of \$8 per month is paid. House is comfortably furnished, sanitary condition good. Says he is benefited materially by being a member of the trades union.

FOOD—*Breakfast*—Bread, potatoes, tea and meat.
Dinner—Bread, potatoes, tea and meat.
Supper—Bread, potatoes, tea and meat.

| | | |
|---|------|-------|
| COST OF LIVING— | | |
| Rent..... | \$96 | |
| Fuel..... | 25 | |
| Meat and groceries | 60 | |
| Clothing, boots and shoes and dry goods | 75 | |
| Books, papers, etc | 2 | |
| Trades unions..... | 11 | |
| Total..... | | \$269 |

No. 29.

CIGAR MAKER.

German.

| | |
|-------------------------|-------|
| EARNINGS—Of father..... | \$360 |
|-------------------------|-------|

CONDITION—Family numbers 2—husband and wife. Live in rented house containing two rooms, and pay \$7 per month for same. House poorly furnished, having no carpets. Has considerable sickness, and complains of things in general. Belongs to trades union.

FOOD—*Breakfast*—Bread, butter, meat and coffee.
Dinner—Bread, butter, meat and coffee.
Supper—Bread, butter, meat and coffee.

| | | |
|---|---------|----------|
| COST OF LIVING— | | |
| Rent..... | \$84 00 | |
| Fuel | 21 00 | |
| Meat and groceries..... | 156 00 | |
| Clothing, boots and shoes and dry goods | 50 00 | |
| Books, papers, etc | 5100 | |
| Life insurance..... | 4 50 | |
| Trades unions..... | 11 00 | |
| Sickness | 50 00 | |
| Total | | \$381 50 |

| No. 30. | | CIGAR MAKER. | German. |
|--|-------|--------------|---------|
| EARNINGS—Of father..... | | | \$520 |
| CONDITION—Family numbers 5—parents and three children, all girls, aged eight, eleven and sixteen; two of them attend school regularly. Live in tenement of 4 rooms, for which a rental of \$14 per month is made. Location fair, but no sewerage, consequently not very healthy. | | | |
| FOOD— <i>Breakfast</i> —Coffee and bread. <i>Dinner</i> —Meat, potatoes, bread, etc. <i>Supper</i> —Tea, bread, etc. | | | |
| COST OF LIVING— | | | |
| Rent..... | \$168 | | |
| Fuel..... | 40 | | |
| Meat and groceries..... | 175 | | |
| Clothing, boots and shoes and dry goods..... | 125 | | |
| Books, papers, etc..... | 6 | | |
| Sundries..... | 6 | | |
| Total..... | | | \$520 |

| No. 31. | | CIGAR MAKER. | American. |
|--|------|--------------|-----------|
| EARNINGS—Of father..... | | | \$400 |
| CONDITION—Family numbers 5—parents and three children, two girls, aged three and two, and a boy of seven weeks. Pay a rental of \$6 per month for a house containing two rooms, which is in fair condition, but location is unhealthy. Family do not attend church. Is a member of the trades union, and is benefited thereby. | | | |
| FOOD— <i>Breakfast</i> —Bread, butter, coffee, meat and potatoes. <i>Dinner</i> —Bread, butter, coffee, meat and potatoes. <i>Supper</i> —Bread, butter, coffee, meat and potatoes. | | | |
| COST OF LIVING— | | | |
| Rent..... | \$72 | | |
| Fuel..... | 20 | | |
| Meat and groceries..... | 300 | | |
| Clothing, boots and shoes and dry goods..... | 20 | | |
| Trades unions..... | 11 | | |
| Sickness..... | 5 | | |
| Sundries..... | 52 | | |
| Total..... | | | \$490 |

| No. 32. | | CIGAR MAKER. | American. |
|---|-------|--------------|-----------|
| EARNINGS—Of father..... | | \$450 | |
| Of sister..... | | 300 | |
| Of sister..... | | 350 | |
| Total..... | | | \$1,100 |
| CONDITION—Family numbers 7—parents, two sisters and three children,—two girls, aged twenty-one and eleven, and boy, aged nine. Live in house containing 4 rooms, and pay a rental of \$12 per month. House is entirely carpeted and well furnished. Sanitary condition good. Family attend church. Belongs to trades union. | | | |
| FOOD— <i>Breakfast</i> —Bread, butter, tea, coffee and meat. <i>Dinner</i> —Meats, desserts and pastry. <i>Supper</i> —Bread, butter, tea and meat. | | | |
| COST OF LIVING— | | | |
| Rent..... | \$144 | | |
| Fuel..... | 40 | | |
| Meat and groceries..... | 336 | | |
| Clothing, boots and shoes and dry goods..... | 300 | | |
| Books, papers, etc..... | 10 | | |
| Life insurance..... | 6 | | |
| Trades unions..... | 11 | | |
| Sickness..... | 30 | | |
| Sundries..... | 169 | | |
| Total..... | | | \$1,046 |

CONDITION OF FAMILIES.

369

| No. 33. | CIGAR MAKER. | American. |
|--|--------------|-----------|
| EARNINGS —Of father | | |
| Of wife..... | \$720 | |
| Total..... | 416 | \$1,136 |
| CONDITION —Family numbers 2—husband and wife. Live in a house containing three rooms, and pay \$3 per month rent. Locality good and sanitary condition first class. House is well furnished, wife has sewing machine. Husband belongs to trades union and considers it a great benefit as regards wages, also carries some life insurance. On the whole they are well situated and saving some money. | | |
| FOOD — <i>Breakfast</i> —Bread, meat, potatoes, butter and coffee. <i>Dinner</i> —Lunches. <i>Supper</i> —Meat, vegetables, poultry, etc. | | |
| COST OF LIVING — | | |
| Rent..... | \$108 | |
| Fuel..... | 25 | |
| Meat and groceries..... | 270 | |
| Clothing..... | 125 | |
| Boots and shoes..... | 11 | |
| Dry goods..... | 70 | |
| Books, papers, etc..... | 10 | |
| Life insurance..... | 24 | |
| Trades unions..... | 11 | |
| Sundries..... | 200 | |
| Total..... | | \$854 |

| No. 34. | CIGAR MAKER. | American. |
|--|--------------|-----------|
| EARNINGS —Of father | | \$576 |
| CONDITION —Family numbers 3—parents and one child, girl, aged six. Own a comfortable house of ten rooms, every room carpeted and well furnished otherwise. Wife has sewing machine. Considers his condition improved since becoming a member of the trades union. | | |
| COST OF LIVING — | | |
| Fuel..... | \$70 | |
| Meat and groceries..... | 200 | |
| Clothing, boots and shoes and dry goods..... | 150 | |
| Books, papers, etc..... | 10 | |
| Trades unions..... | 11 | |
| Sickness..... | 50 | |
| Total..... | | \$491 |

| No. 35. | LABORER. | Italian. |
|--|----------|----------|
| EARNINGS —Of father | | \$270 |
| CONDITION —Family numbers 5—parents and three children, all boys, aged one, three and five. Live in one room, for which they pay \$1 per month rent. A very dirty and unhealthy place, everything perfectly filthy. There are about fifteen other families living in the same house. They buy the cheapest kind of meat from the neighboring slaughter houses and the children pick up fuel on the streets and rotten eatables from the commission houses. Children do not attend school. They are all ignorant in the full sense of the word. Father could not write his name. | | |
| FOOD — <i>Breakfast</i> —Coffee and bread. <i>Dinner</i> —Soups. <i>Supper</i> —Coffee and bread. | | |
| COST OF LIVING — | | |
| Rent..... | \$48 | |
| Fuel..... | 5 | |
| Meat and groceries..... | 100 | |
| Clothing, boots and shoes and dry goods..... | 15 | |
| Sickness..... | 5 | |
| Total..... | | \$173 |

| No. 36. | LABORER. | Bohemian. |
|--|---------------------------------|-----------|
| EARNINGS —Of father | | |
| | Of son, aged twenty-three | \$480 |
| | Of son, aged seventeen | 384 |
| | Total | 250 |
| | | \$1,114 |
| CONDITION —Family numbers 6—parents and four boys, aged twenty-three, seventeen, fourteen and twelve. Father works 52 weeks per year; owns comfortable house of 4 rooms. The boys help support the family. House is comfortably furnished. Their expenditures equal their income. | | |
| FOOD — <i>Breakfast</i> —Bread, butter and coffee. | | |
| <i>Dinner</i> —Lunches. | | |
| <i>Supper</i> —Meat, vegetables, bread and coffee. | | |
| COST OF LIVING — | | |
| | Fuel | \$30 |
| | Meat and groceries | 600 |
| | Clothing | 150 |
| | Boots and shoes | 20 |
| | Dry goods | 30 |
| | Books, papers, etc. | 20 |
| | Trades unions | 11 |
| | Sundries | 253 |
| | Total | \$1,114 |

| No. 37 | LABORER. | Bohemian. |
|--|---|-----------|
| EARNINGS —Of father | | |
| | Of son, aged twenty-two | \$300 |
| | Total | 360 |
| | | \$660 |
| CONDITION —Family numbers 6—parents and four children, boy aged twenty-two, and three girls, eighteen, fourteen and ten. Own comfortable house of 7 rooms, in a good, healthy locality, which is furnished substantially, but cheaply, and own sewing machine. Three girls attend day and Sunday school. Father and son belong to the trades union. | | |
| FOOD — <i>Breakfast</i> —Meat, potatoes, bread and eggs. | | |
| <i>Dinner</i> —Lunches. | | |
| <i>Supper</i> —Soup meats, tea, coffee and potatoes. | | |
| COST OF LIVING — | | |
| | Fuel | \$50 |
| | Meat | 75 |
| | Groceries | 300 |
| | Clothing, boots and shoes and dry goods | 150 |
| | Trades unions | 10 |
| | Sickness | 40 |
| | Sundries | 50 |
| | Total | \$675 |

| No. 38. | LABORER. | Scandinavian. |
|--|---|---------------|
| EARNINGS —Of father | | |
| | Of wife | \$320 |
| | Total | 100 |
| | | \$420 |
| CONDITION —Family numbers 8—parents and six children, four girls, twins three months, one two and one three years, two boys, one five and the other seven. Live in a house containing 4 rooms, and pay \$11 per month rent. House very poorly furnished, and a miserable affair altogether. | | |
| FOOD — <i>Breakfast</i> —Bread, meat and coffee. | | |
| <i>Dinner</i> —Bread, vegetables and coffee. | | |
| <i>Supper</i> —Bread and coffee, etc. | | |
| COST OF LIVING — | | |
| | Rent | \$132 |
| | Fuel | 33 |
| | Meat and groceries | 165 |
| | Clothing, boots and shoes and dry goods | 65 |
| | Sundries | 25 |
| | Total | \$420 |

| No. 39 | LABORER. | Scandinavian. |
|---|--------------------------|---------------|
| EARNINGS —Of father..... | | |
| | Of son, aged eleven..... | \$405 |
| | Total..... | 200 |
| | | \$605 |
| CONDITION —Family numbers 5—parents and three children, two boys aged nine and eleven, and one girl seven. Live in a rented house, containing 4 rooms, for which \$8 per month is paid. House is a frame structure, poorly furnished with no carpets. They overrun their income. | | |
| FOOD — <i>Breakfast</i> —Bread, butter, meat and coffee. | | |
| <i>Dinner</i> —Bread, meat and vegetables. | | |
| <i>Supper</i> —Bread, butter, meat and tea. | | |
| COST OF LIVING — | | |
| | Rent..... | \$96 |
| | Fuel..... | 30 |
| | Meat..... | 200 |
| | Groceries..... | 225 |
| | Clothing..... | 30 |
| | Boots and shoes..... | 20 |
| | Dry goods..... | 25 |
| | Books, papers, etc..... | 3 |
| | Sundries..... | 3 |
| | Total..... | \$632 |

| No. 40. | LABORER. | Scandinavian. |
|--|---|---------------|
| EARNINGS —Of father..... | | |
| | Of daughter, aged seventeen..... | \$240 |
| | Of son, aged fifteen..... | 340 |
| | Total..... | 200 |
| | | \$780 |
| CONDITION —Family numbers 5—parents and three children, two boys aged fifteen and seven, and a girl aged seventeen. Live in a 4 room house, and pay \$10 per month rent for the same. House is comfortable, but poorly furnished, and is in unhealthy location. Family attend church. Their expenditures exceed their income. | | |
| FOOD — <i>Breakfast</i> —Meat, potatoes, bread and coffee. | | |
| <i>Dinner</i> —Lunches. | | |
| <i>Supper</i> —Soup, bread and meat. | | |
| COST OF LIVING — | | |
| | Rent..... | \$120 |
| | Fuel..... | 15 |
| | Meat and groceries..... | 300 |
| | Clothing, boots and shoes, dry goods..... | 120 |
| | Books, papers, etc..... | 5 |
| | Sickness..... | 40 |
| | Sundries..... | 250 |
| | Total..... | \$850 |

| No. 41. | LABORER. | Irish |
|---|---|-------|
| EARNINGS —Of father..... | | |
| | | \$400 |
| CONDITION —Family numbers 6—parents and four children, three boys, aged one, two and three, and one girl five years of age. Occupy a house containing 3 rooms, for which they pay a rental of \$10 monthly. The parents are intelligent, and seem to be satisfied and enjoy life. Being young people, they take little interest as yet in labor organizations. | | |
| FOOD — <i>Breakfast</i> —Bread, butter, meat and coffee. | | |
| <i>Dinner</i> —Bread, butter, vegetables and coffee or tea. | | |
| <i>Supper</i> —Bread, butter, tea, occasionally meat. | | |
| COST OF LIVING — | | |
| | Rent..... | \$120 |
| | Fuel..... | 38 |
| | Meat and groceries..... | 150 |
| | Clothing, boots and shoes, dry goods..... | 100 |
| | Books, papers, etc..... | 5 |
| | Sickness..... | 15 |
| | Sundries..... | 22 |
| | Total..... | \$450 |

| No. 42. | LABORER. | Irish. |
|--|----------|--------|
| EARNINGS—Of father | | \$520 |
| <p>CONDITION—Family numbers 2—husband and wife. Occupy a house of 4 rooms, and pay a monthly rental of \$12. House is nicely furnished, and they live comfortably and well. Husband has employment in flour mill the entire year. They live within their income. On the whole, they seem to be enjoying life. <input type="checkbox"/> House is in good locality; sanitary condition good. They save a little money.</p> | | |
| <p>FOOD—<i>Breakfast</i>—Bread, butter, beefsteak and coffee. <i>Dinner</i>—Bread, butter, potatoes, meat and vegetables. <i>Supper</i>—Bread, butter, cold meat and tea.</p> | | |
| COST OF LIVING— | | |
| Rent | \$144 | |
| Fuel | 50 | |
| Meat and groceries | 180 | |
| Clothing, boots, shoes and dry goods | 100 | |
| Books, papers, etc. | 5 | |
| Sundries | 30 | |
| Total | | \$509 |

| No. 43 | LABORER. | Irish. |
|--|----------|--------|
| EARNINGS—Of father | | \$370 |
| Of son, aged twelve | | 24 |
| Total | | \$394 |
| <p>CONDITION—Family numbers 6—parents and four children, two boys, aged seven and two live, and two girls, five and nine. The two girls and one boy attend school regularly. Own their house, which contains 3 rooms. House is scantily furnished, with no carpets. Father receives \$1.25 per day, and works for railroad company. He complains of the wages being too small. They are, however, saving some money, and expect to be more comfortable in the future, although they live comparatively well now, with the exception that the house is not large enough. The son, having no regular employment, helps but little. The father has steady work the entire year.</p> | | |
| <p>FOOD—<i>Breakfast</i>—Bread, butter and coffee. <i>Dinner</i>—Bread, potatoes, salt meat and cabbage. <i>Supper</i>—Bread, butter, cold meat and tea.</p> | | |
| COST OF LIVING— | | |
| Fuel | \$50 | |
| Meat and groceries | 160 | |
| Clothing, boots, shoes and dry goods | 90 | |
| Sundries | 15 | |
| Total | | \$315 |

| No. 44. | LABORER. | Irish. |
|--|----------|--------|
| EARNINGS—Of father | | \$250 |
| <p>CONDITION—Family numbers 2—husband and wife. The house they occupy contains 6 rooms, and is owned by the company for which the husband works, and for which he pays a rental of \$10 per month. He has found it extremely difficult to secure constant work the year through, having worked but eight months of this year, and consequently, notwithstanding practicing the utmost economy, he is in debt at the end of the year. He receives \$1.25 per day for his labor, and would be satisfied, could he have regular work; thinks the prospect for the coming year no better. He carries no life insurance, and is not a member of the trades union.</p> | | |
| <p>FOOD—<i>Breakfast</i>—Bread, butter and coffee. <i>Dinner</i>—Potatoes, bread and salt meat. <i>Supper</i>—Bread, butter and tea.</p> | | |
| COST OF LIVING— | | |
| Rent | \$120 | |
| Fuel | 30 | |
| Meat and groceries | 65 | |
| Clothing, boots, shoes and dry goods | 45 | |
| Books, papers, etc. | 8 | |
| Sundries | 7 | |
| Total | | \$270 |

| No. 45. | LABORER. | American. |
|-------------------------|----------|-----------|
| EARNINGS—Of father..... | | \$450 |
| Of son, aged eight..... | | 150 |
| Total..... | | \$600 |

CONDITION—Family numbers 7—parents and five children, three boys and two girls, aged between two and eight years. Father and son have steady work the entire year. The father receives \$9 per week, and the son \$3. Live in a house containing 4 rooms, and pay a rental of \$9 per month. House is situated in healthy locality but is poorly furnished. Wife has a sewing machine, and small library. Father gives but little attention to labor organizations. Seems to be saving a little money.

FOOD—Good, wholesome food.

| COST OF LIVING— | | |
|---|-------|-------|
| Rent..... | \$108 | |
| Fuel..... | 30 | |
| Meat and groceries..... | 250 | |
| Clothing, boots and shoes, dry goods, books, papers, etc..... | 55 | |
| Sickness..... | 35 | |
| Sundries..... | 32 | |
| Total..... | | \$510 |

| No. 46. | LABORER. | American. |
|-------------------------|----------|-----------|
| EARNINGS—Of father..... | | \$360 |
| Of wife..... | | 100 |
| Total..... | | \$460 |

CONDITION—Family numbers 7—parents and five children, aged from six months to eight years. They live in a house which they rent, and pay a rental of \$10 per month. Two of the children attend school. House is situated in good, respectable neighborhood. The furniture and carpets are poor in quality, but substantial. The father is not a member of a labor organization, but subscribes for the labor papers. Their living expenses exceed their income.

FOOD—Breakfast—Salt meat, bread, butter and coffee.

Dinner—Bread, meat and vegetables.

Supper—Bread, coffee, etc.

| COST OF LIVING— | | |
|--|-------|-------|
| Rent..... | \$120 | |
| Fuel, meat and groceries..... | 325 | |
| Clothing, boots and shoes and dry goods..... | 85 | |
| Books, papers, etc..... | 2 | |
| Sundries..... | 75 | |
| Total..... | | \$507 |

| No. 47. | LABORER. | Irish. |
|-------------------------|----------|--------|
| EARNINGS—Of father..... | | \$343 |

CONDITION—Family numbers 5—parents and three children, two girls, aged seven and five, and boy, aged eight. They occupy a rented house of 4 rooms, and pay a rental, monthly, of \$7. Two of the children attend school. Father complains of the wages he receives, being but \$1.10 per day, and says it is extremely difficult for him to support his family upon that amount. His work consists in cleaning yards, basements, out-buildings, etc., and is, in fact, a regular scavenger. He also complains of the work as being very unhealthy, but it seems he can procure no other work.

FOOD—Breakfast—Black coffee, bread and potatoes.

Dinner—Corned beef, cabbage and potatoes.

Supper—Bread, coffee and potatoes.

| COST OF LIVING— | | |
|--|------|--------|
| Rent..... | \$84 | |
| Fuel..... | 15 | |
| Meat and groceries..... | 180 | |
| Clothing, boots and shoes and dry goods..... | 40 | |
| Sundries..... | 20 | |
| Total..... | | \$339. |

| No. 48. | LABORER. | Irish. |
|--|----------|--------------|
| EARNINGS—Of father | | \$150 |
| CONDITION —Family numbers 2—husband and wife. Own a comfortable cottage of 5 rooms, good locality, surroundings clean and healthy. House is poorly furnished. They are very economical, but have an abundance of good, substantial food. Both husband and wife are very ignorant—in fact, they are unable to read or write. The only money they spend is for the actual necessities of life, and therefore save some money nearly every year. | | |
| FOOD — <i>Breakfast</i> —Bread, meat, potatoes and coffee. <i>Dinner</i> —Meat, potatoes, vegetables, etc. <i>Supper</i> —Bread, butter and tea. | | |
| COST OF LIVING— | | |
| Fuel..... | \$30 | |
| Meat and groceries | 1-0 | |
| Clothing, boots and shoes and dry goods..... | 75 | |
| Total..... | | \$375 |

| No. 49. | LABORER. | German. |
|---|----------|--------------|
| EARNINGS—Of father | | \$375 |
| CONDITION —Family numbers 4—parents and two children, boy aged one year, girl three. They pay a rental of \$9 per month for a house containing 4 rooms, which is in a filthy condition, it being in a block of miserable frame tenements. The family are in want; they are only about half clothed and fed, look sickly, and are exceedingly illiterate. | | |
| FOOD — <i>Breakfast</i> —Salt meat, bread and coffee. <i>Dinner</i> —Coffee and toast. <i>Supper</i> —Bread, butter, meat and tea. | | |
| COST OF LIVING— | | |
| Rent..... | \$108 | |
| Fuel..... | 25 | |
| Meat..... | 40 | |
| Groceries..... | 100 | |
| Clothing..... | 10 | |
| Boots and shoes..... | 6 | |
| Dry goods..... | 25 | |
| Sickness..... | 25 | |
| Sundries..... | 36 | |
| Total..... | | \$375 |

| No. 50. | MACHINIST. | American. |
|--|------------|--------------|
| EARNINGS—Of father | | \$705 |
| CONDITION —Family numbers 3—parents and one child, aged one year. Live in a cottage containing 4 rooms, for which a payment of \$15 per month is made. Father works 47 weeks a year, and receives \$2.50 per day wages. The cottage is neat, with pleasant surroundings; all the rooms are nicely furnished. Wife has sewing machine. Family are well dressed and attend church regularly. Live economically, but well, and save a little money every year. | | |
| FOOD — <i>Breakfast</i> —Bread, meat, potatoes and coffee. <i>Dinner</i> —Meat, potatoes, vegetables, pie and tea. <i>Supper</i> —Cold meat, bread, cake and tea. | | |
| COST OF LIVING— | | |
| Rent..... | \$180 | |
| Fuel..... | 40 | |
| Meat and groceries | 200 | |
| Clothing, boots and shoes and dry goods | 115 | |
| Books, papers, etc..... | 20 | |
| Sickness..... | 20 | |
| Sundries..... | 15 | |
| Total..... | | \$590 |

No. 51.

MACHINIST.

American.

| | | |
|---------------------------------|-------|----------|
| EARNINGS —Of father..... | \$540 | |
| Of mother..... | 255 | |
| Of son, aged sixteen..... | 255 | |
| Total..... | | \$1,050. |

CONDITION—Family numbers 10—parents and eight children, five girls and three boys, aged from two to sixteen. Four of the children attend school. Father works only 30 weeks in the year, receives \$3 per day for his services. They live in a comfortably furnished house, of 7 rooms, have a piano, take an interest in society and domestic affairs, are intelligent, but do not dress very well. Their expenditures are equal, but do not exceed their income. Father belongs to trades union, and is interested and benefited by and in it.

FOOD—*Breakfast*—Bread, meat and coffee.
Dinner—Bread, meat, vegetables and tea.
Supper—Bread, meat, vegetables and coffee.

| | | |
|-------------------------|-------|---------|
| COST OF LIVING — | | |
| Rent..... | \$300 | |
| Fuel..... | 50 | |
| Meat..... | 100 | |
| Groceries..... | 200 | |
| Clothing..... | 160 | |
| Boots and shoes..... | 50 | |
| Dry goods..... | 25 | |
| Books, papers, etc..... | 15 | |
| Trades unions..... | 10 | |
| Sickness..... | 50 | |
| Sundries..... | 90 | |
| Total..... | | \$1,050 |

No. 52.

MALSTER.

Irish

| | |
|---------------------------------|-------|
| EARNINGS —Of father..... | \$576 |
|---------------------------------|-------|

CONDITION—Family numbers 3—parents and one boy, thirteen months of age. Live in a house containing 3 rooms, for which they pay a rental of \$9 per month. Father works 52 weeks in the year, and eleven hours per day. He is in favor of the eight-hour law, and the discontinuance of convict labor in all branches of trade, as it greatly interferes with the honest classes of laboring men.

FOOD—*Breakfast*—Bread, butter, meat, potatoes and coffee.
Dinner—Bread, butter, meat, potatoes and tea.
Supper—Bread, butter and tea.

| | | |
|---|-------|-------|
| COST OF LIVING — | | |
| Rent..... | \$108 | |
| Fuel..... | 30 | |
| Meat and groceries..... | 300 | |
| Clothing, boots and shoes; dry goods, books, papers, etc..... | 75 | |
| Sickness..... | 20 | |
| Sundries..... | 43 | |
| Total..... | | \$576 |

No. 53.

MARBLE-WORKER.

Irish.

| | |
|---------------------------------|-------|
| EARNINGS —Of father..... | \$600 |
|---------------------------------|-------|

CONDITION—Family numbers 4—parents and two children, girl, aged four, and boy, two. They occupy a house of three rooms, and pay a monthly rental of \$4 for the same. He works 50 weeks in the year, and receives \$2 per day for his labor; says that he could do better, but that prison-labor interferes materially with the business he follows. House is situated in a poor and unhealthy locality.

FOOD—*Breakfast*—Coffee, meat, bread, etc.
Dinner—Lunch.
Supper—Tea, meat, potatoes, etc.

| | | |
|--|------|-------|
| COST OF LIVING — | | |
| Rent..... | \$96 | |
| Fuel..... | 34 | |
| Meat and groceries..... | 250 | |
| Clothing, boots and shoes and dry goods..... | 100 | |
| Books, papers, etc..... | 10 | |
| Sickness..... | 10 | |
| Sundries..... | 50 | |
| Total..... | | \$550 |

No. 54.

MATTRASS MAKER.

American.

EARNINGS—Of father..... \$440

CONDITION—Family numbers 5—parents and three children, all girls, aged ten, seven and two. They live in a house containing 4 rooms, and pay \$12 per month rent for it. The father receives \$3 per day, but his trade only warrants work in the spring and fall of the year, being compelled to lay idle during summer and winter. He only worked thirty weeks during the year of 1883, and at nine and eight hours for a day's work. He is the only married man in the factory; the balance of the employees, both young men and women, are fast and live easy lives, and only receive from \$3 to \$5 per week.

FOOD—Breakfast—Meat, bread and coffee.

COST OF LIVING—

| | |
|-------------------------|-------|
| Rent..... | \$144 |
| Fuel..... | 22 |
| Meat and groceries..... | 200 |
| Boots and shoes..... | 75 |
| Sickness..... | 5 |
| Total..... | \$446 |

No. 55.

MOULDER.

Scandinavian.

EARNINGS—Of father..... \$756

CONDITION—Family numbers 5—parents and three children, two girls, aged one and three, and one boy, five. Occupy a comfortable and pleasant house, containing 5 rooms, situated in a healthy locality, for which they pay \$13 per month rent. House is well furnished. One child attends school, and the parents are intelligent and attend church. Father belongs to trades union, and is positive it is of great benefit to him. He works forty-two weeks in the year, and has no sickness in his family. Lives plainly but substantially, and saves money.

FOOD—Breakfast—Bread and coffee.

Dinner—Bread, meat, vegetables and coffee.

Supper—Bread, cold meat, pie and tea.

COST OF LIVING—

| | |
|---|-------|
| Rent..... | \$144 |
| Fuel..... | 36 |
| Meat and groceries..... | 250 |
| Clothing, boots and shoes, dry goods..... | 200 |
| Books, papers, etc..... | 10 |
| Trades unions..... | 5 |
| Sundries..... | 5 |
| Total..... | \$650 |

No. 56.

MOULDER.

American.

EARNINGS—Of father..... \$513

CONDITION—Family numbers 6—parents and four children, three girls and one boy, aged from one to six years. Live in a house containing 4 rooms, and pay \$20 per month rent, which includes gas. House is comfortable, and in good locality. Father only worked thirty-eight weeks during the year, and received \$2.25 per day for his services. He worked ten hours winter and summer. He is not a member of any trades organization, but is willing to join any thing of the kind that will tend to relieve him of the domineering of property holders and employers.

FOOD—Breakfast—Bread, butter, meat and coffee.

Dinner—Bread, butter, meat and tea.

Supper—Bread, butter and coffee.

COST OF LIVING—

| | |
|---|-------|
| Rent..... | \$240 |
| Fuel..... | 24 |
| Meat and groceries..... | 200 |
| Clothing, boots and shoes, dry goods..... | 100 |
| Books, papers, etc..... | 5 |
| Sickness..... | 15 |
| Sundries..... | 28 |
| Total..... | \$613 |

No. 57.

ORGAN BUILDER.

Canadian.

EARNINGS—Of father..... \$800

CONDITION—Family numbers 5—parents and three children, one boy and two girls. The house they occupy contains 5 rooms, for which they pay \$15 per month rent. They do not live extravagantly, dress plainly and as cheaply as possible. Father says he is the only one in the establishment in which he works who receives as much as \$2.75 per day, and that the average wages paid per day, to the other employes, is about \$2.25. Inasmuch as he saves but very little money during the year, he claims that the others would not accumulate anything.

FOOD—Breakfast—Bread, butter, meat, griddle cakes and coffee.

Dinner—Meat, potatoes, vegetables and soup.

Supper—Bread and butter, pie or cake.

COST OF LIVING—

| | |
|-------------------------|-------|
| Rent..... | \$180 |
| Fuel..... | 40 |
| Meat..... | 75 |
| Groceries..... | 300 |
| Clothing..... | 75 |
| Boots and shoes..... | 25 |
| Dry goods..... | 25 |
| Books, papers, etc..... | 15 |
| Life insurance..... | 18 |
| Sickness..... | 20 |
| Sundries..... | 10 |
| Total..... | \$783 |

No. 58.

PAINTER.

American.

EARNINGS—Of father..... \$405
One girl, aged seventeen..... 78
Total..... \$483

CONDITION—Family numbers 9—parents and seven children, five boys and two girls, aged from three to seventeen. Three of the children attend school regularly. The house they occupy is rented, and contains 4 rooms, for which they pay \$12 per month. Father only able to secure work at his trade for about thirty weeks in the year, balance of the time he is idle, and has no steady remunerative employment. Carries no life insurance, but is a member of a trades union. Their expenses exceed their income, and the excess is supplied by friends. Live plainly.

FOOD—Breakfast—Bread and coffee.

Dinner—Father carries lunch. Bread and meat.

Supper—Potatoes, bread and tea.

COST OF LIVING—

| | |
|----------------------|----------|
| Rent..... | \$144 00 |
| Fuel..... | 40 00 |
| Meat..... | 75 00 |
| Groceries..... | 200 00 |
| Clothing..... | 50 00 |
| Boots and shoes..... | 20 00 |
| Dry goods..... | 30 00 |
| Trades unions..... | 3 60 |
| Sickness..... | 20 00 |
| Total..... | \$583 |

No. 59.

PAINTER.

American.

EARNINGS—Of father..... \$800

CONDITION—Family numbers 3—all adults. Live in rented house containing 7 rooms, for which they pay \$15 per month. Have had sickness in the family for many years; by economy manage to make the annual expenses correspond with earnings; do not keep an expense account, but pay cash for what they have or go without.

FOOD—Breakfast—Meat or fish, potatoes coffee.

Dinner—Lunch.

Supper—Meat, vegetables, (Saturdays, pork and beans).

COST OF LIVING—

| | |
|-------------------------|----------|
| Rent..... | \$180 00 |
| Fuel..... | 30 00 |
| Meat..... | 85 00 |
| Groceries..... | 200 00 |
| Clothing..... | 100 00 |
| Boots and shoes..... | 25 00 |
| Books, papers, etc..... | 12 00 |
| Trades unions..... | 3 60 |
| Sickness..... | 45 00 |
| Total..... | \$681 |

| No. 60. | PAINTER. | American. | |
|---|----------|-----------|--------------|
| EARNINGS—Of father | | | \$552 |
| CONDITION —Family numbers 2—husband and wife, and live in a house containing 3 rooms, on Jefferson street, which is considered a good healthy locality. He had work at from \$2 to \$3 per day for forty-six weeks during the past year, but they seem to live pretty well and they expended more than was earned. Husband belongs to trades union. They pay \$15 per month rental for the house with but 3 rooms: | | | |
| FOOD — <i>Breakfast</i> —Bread, butter and coffee. <i>Dinner</i> —Bread, butter, meat, coffee, pie or cake. <i>Supper</i> —Meat, potatoes, bread, butter, tea or coffee. | | | |
| COST OF LIVING— | | | |
| Rent .. | | \$180 00 | |
| Fuel | | 28 00 | |
| Meat | | 120 00 | |
| Groceries | | 200 00 | |
| Clothing | | 15 00 | |
| Boots and shoes | | 15 00 | |
| Dry goods | | 30 00 | |
| Books, papers, etc | | 4 00 | |
| Trades unions | | 3 00 | |
| Sickness | | 15 00 | |
| Sundries | | 50 00 | |
| Total | | | \$661 |

| No. 61. | PAINTER. | English. | |
|---------------------------------------|----------|----------|-----------------|
| EARNINGS—Of father | | | \$9 00 |
| Of wife | | | 80 |
| Saved from previous year | | | 150 |
| Total | | | \$1, 120 |

CONDITION—Family numbers 3—parents and one child. Live in house containing 6 rooms, for which they pay \$15 per month rent. The father asserts that the year of 1883 has been the best for workmen that he has experienced for thirteen years; he also says that he believes that the firm for which he works, have paid at least twenty per cent. better wages than any other firm in the city. They have been troubled with sewer gas, which is ascribed to want of proper inspection of tenements, and to that he charges a great deal of sickness in his family, and the death of four of his children, two of whom died during the year of 1883. The father receives \$3 per day and worked about forty-five weeks during the year—eight hours being a day's work in the winter and ten during the summer.

| | | | |
|--|--|-------|-----------------|
| FOOD — <i>Breakfast</i> —Eggs, toast and coffee. <i>Dinner</i> —Lunch. <i>Supper</i> —Meat, vegetables and tea. | | | |
| COST OF LIVING— | | | |
| Rent .. | | \$180 | |
| Fuel | | 40 | |
| Meat | | 70 | |
| Groceries | | 200 | |
| Clothing | | 70 | |
| Boots and shoes | | 30 | |
| Dry goods | | 40 | |
| Books, papers, etc | | 25 | |
| Life insurance | | 16 | |
| Trades unions | | 8 | |
| Sickness | | 250 | |
| Sundries | | 137 | |
| Total | | | \$1, 066 |

| No. 62. | PAPER CARRIER. | American. | |
|----------------------------------|----------------|-----------|--------------|
| EARNINGS—Of husband | | | \$208 |
| Sub-renting | | | 517 |
| Total | | | \$725 |

CONDITION—Family consists of husband and wife. Have no children. Husband carries papers fifty-two weeks in the year. Live in a new tenement house, for which they pay a rental of \$40 per month, but by renting furnished rooms they are enabled to come out nearly square with the world. Husband is intelligent, is friendly to labor organizations, though he is not connected with any, and takes some interest in political and social matters. Was a Union soldier throughout the war.

| | | | |
|--|-------|--------------------------|--------------|
| FOOD — <i>Breakfast</i> —Bread, butter, sometimes meat, coffee. <i>Dinner</i> —Bread, butter, sometimes meat, coffee. <i>Supper</i> —Bread, butter, sometimes meat, coffee. | | | |
| COST OF LIVING— | | | |
| Rent .. | \$480 | Books, papers, etc | 5 |
| Fuel, meat and groceries | 160 | Sickness | 10 |
| Clothing, boots and shoes and dry goods | 80 | Sundries | 30 |
| | | Total | \$765 |

No. 63.

PLASTERER.

English.

EARNINGS—Of father.

\$300

CONDITION—Family numbers 3—parents and one girl, aged two years. Live in house, containing 6 rooms, which they rent and pay for the same at the rate of \$20 per month. It is a very pleasant house, but the surroundings are not so pleasant as they might be. They rent 1 room furnished for \$75 per annum, and about one-half of that amount is paid for car fare. Family are neat, clean, and dress well, but have not succeeded yet in saving anything, but have lived up to, and at times in excess of, their earnings.

FOOD—Breakfast—Bread, butter, coffee and eggs.

Dinner—Lunches.

Supper—Bread, butter, tea, fish and vegetables.

COST OF LIVING—

| | |
|--------------------------|----------|
| Rent | \$240 00 |
| Fuel | 45 00 |
| Meat | 55 00 |
| Groceries | 208 00 |
| Clothing | 60 00 |
| Boots and shoes | 10 00 |
| Dry goods | 25 00 |
| Books, papers, etc. | 20 00 |
| Trade unions | 3 60 |
| Sickness | 50 00 |
| Sundries | 150 00 |
| Total | \$867 |

No. 64.

PLASTERER.

English.

EARNINGS—Of father.

\$900

CONDITION—Family numbers 4—parents and two boys, one and three years old. Occupy 5 rooms in a good brick house, at \$20 per month rent, in a healthy location, with pleasant surroundings; rooms well furnished. Family dress well, attend church, and save a little money, which is owing largely to having fifty weeks' work during the year, the average for this class of workmen being much less.

FOOD—Breakfast—Bread, meat, potatoes and coffee.

Dinner—Meat, vegetables.

Supper—Bread, cold meat, butter, tea.

COST OF LIVING—

| | |
|---|-------|
| Rent | \$240 |
| Fuel | 35 |
| Meat and groceries | 200 |
| Clothing, boots and shoes and dry goods | 150 |
| Books, papers, etc. | 15 |
| Sickness | 15 |
| Sundries | 10 |
| Total | \$665 |

No. 65.

PLUMBER.

Scotch-American.

EARNINGS—Of father

\$1,050

CONDITION—Family numbers 3—parents and one girl seven years old, who attends school. Occupy 3 rooms, for which they pay \$13 per month rent; situation not very pleasant, but healthy; have had very little sickness. Rooms comfortably furnished. Family dress plainly, are below the average in intelligence, do not attend church or better class of public entertainments. The head of the family has employment fifty weeks during the year, and earns more than the average of wage-workers, which would indicate sobriety and industry, notwithstanding much of his leisure time is spent in beer-gardens and like places of amusement.

FOOD—Breakfast—Bread, butter, meat, potatoes, eggs, fruit.

Dinner—Lunch.

Supper—About the same as breakfast.

COST OF LIVING—

| | |
|--------------------------|----------|
| Rent | \$156 00 |
| Fuel | 36 00 |
| Meat | 100 00 |
| Groceries | 200 00 |
| Clothing | 60 00 |
| Boots and shoes | 27 00 |
| Dry goods | 15 00 |
| Books, papers, etc. | 7 00 |
| Sickness | 10 00 |
| Sundries | 150 00 |
| Total | \$761 |

| No. 66. | PLUMBER. | Irish. |
|--|----------|--------|
| EARNINGS—Of husband..... | | \$900 |
| CONDITION—Family numbers 2—adults. Rent 4 comfortable rooms in brick building, at \$16 per month. Rooms are nicely furnished and have healthy surroundings. Husband has fifty weeks' employment in the year, which enables them to dress and live well, considerably within their annual income. | | |
| FOOD— <i>Breakfast</i> —Bread, meat and coffee. <i>Dinner</i> —Meat, vegetables, bread and tea. <i>Supper</i> —Bread, cake, cold meat and tea. | | |
| COST OF LIVING— | | |
| Rent..... | | \$192 |
| Fuel..... | | 45 |
| Meat and groceries..... | | 300 |
| Clothing, boots and shoes, dry goods..... | | 130 |
| Books, papers, etc..... | | 10 |
| Sickness..... | | 5 |
| Sundries..... | | 25 |
| Total..... | | \$707 |

No. 67.

PRINTER.

American.

EARNINGS—Of father.....

Salary as president Typographical Union.....

Total.....

\$756

200

\$956

CONDITION—Family numbers 5—parents and three children, one boy and two girls, the latter aged six and thirteen, respectively, and the former aged nine. The boy and one of the girls attend school. They occupy a rented house of 5 rooms, and pay for same \$12 per month. Father is president of Typographical Union, and works at job printing. Carries life insurance and belongs to other unions. Thinks what the working classes need is legislation for their interests, and not for the capitalists.

FOOD—*Breakfast*—Coffee, meat, potatoes and tea.

Dinner—Lunch.

Supper—Meat, tea, sauce and ham.

COST OF LIVING—

Rent.....

Fuel.....

Meat and groceries.....

Clothing, boots and shoes, dry goods.....

Books, papers, etc.....

Life insurance.....

Trades unions.....

Sickness.....

Sundries.....

Total.....

\$144

40

300

150

15

20

10

25

200

\$904

| No. 68. | PRINTER. | American. |
|---|---|-----------|
| EARNINGS —Of father..... | | |
| | Of girl, aged sixteen..... | \$590 |
| | Total..... | 150 |
| | | \$730 |
| CONDITION —Family numbers 5—parents and three children, two boys and one girl, aged five, nine and sixteen, respectively. Occupy a house containing 4 rooms, and pay for same \$120 per annum. Father says the reason printers in Chicago have been able thus far to keep up their wages, is the strength and unity of their organizations. The supply of men is greatly in excess of the demand, which must necessarily entail much hardship on those not fortunate enough to find steady employment. | | |
| FOOD — <i>Breakfast</i> —Coffee, meat and potatoes. | | |
| | <i>Dinner</i> —Lunch. | |
| | <i>Supper</i> —Tea, meat, sauce, etc. | |
| COST OF LIVING — | | |
| | Rent..... | \$120 |
| | Fuel..... | 30 |
| | Meat and groceries..... | 300 |
| | Clothing, boots and shoes, dry goods..... | 100 |
| | Books, papers, etc..... | 25 |
| | Life insurance..... | 20 |
| | Trades unions..... | 6 |
| | Sickness..... | 19 |
| | Sundries..... | 100 |
| | Total..... | \$720 |

No. 69.

PRINTER.

American.

EARNINGS—Of father \$1,038

CONDITION—Family numbers 9—father, mother and seven children, ages and sex not given. Two of the children attend school. They occupy a house of 7 rooms, which is rented, and pay \$18 per month for same. Father belongs to Typographical Union, and believes the organization a very great benefit to the craft. He secured work during the past year for forty-five weeks, and received about \$24.00 a week for his work. The expenses of the family exceed the income.

FOOD—*Breakfast*—Meat, bread, butter and coffee.*Dinner*—Lunch.*Supper*—Meat, potatoes, tea, etc.**COST OF LIVING**—

| | |
|-------------------------------------|---------|
| Rent | \$216 |
| Fuel | 60 |
| Meat | 156 |
| Groceries | 208 |
| Clothing | 300 |
| Boots and shoes and dry goods | 100 |
| Books, papers, etc. | 20 |
| Trades unions | 6 |
| Sickness | 25 |
| Sundries | 75 |
| Total | \$1,166 |

No. 70.

PRINTER.

American.

EARNINGS—Of mother \$910
 Of sister 50
 Total \$960

CONDITION—Family numbers 3—mother, sister and one child. Father is dead. They rent a house containing 6 rooms, and pay for same \$180 per annum. The mother belongs to Typographical Union, which is composed of twenty-seven women, and they receive exactly the same wages as the men, which is in accordance with the rules of the Union. They also have an equal voice in matters pertaining to that body. She thinks the Union of very great benefit to all of its members. The female members generally are occupied in distributing type. Receive \$3 in winter and \$3.25 in summer per day.

FOOD—*Breakfast*—Coffee and toast.*Dinner*—Lunches.*Supper*—Meat, potatoes, vegetables, etc.**COST OF LIVING**—

| | |
|--|-------|
| Rent | \$180 |
| Fuel | 35 |
| Meat | 125 |
| Groceries | 150 |
| Clothing | 250 |
| Boots and shoes, dry goods, books, papers, etc. | 50 |
| Trades unions | 6 |
| Sickness | 6 |
| Sundries | 5 |
| Total | \$807 |

No. 71.

PUDDLER.

Irish.

EARNINGS—Of father \$520

CONDITION—Family numbers 6—parents and four children, one girl fourteen, and three boys, aged five, nine and eleven. All the children attend school. Live in rented house containing 6 rooms, at a rental of \$12 per month. Has employment only twenty weeks during the year, which furnishes only about half of the annual living expense. Wife takes boarders to make up the balance. Prospect for steady work or improved condition not very promising.

FOOD—*Breakfast*—Bread, butter, sometimes beefsteak and coffee.*Dinner*—Bread, butter, corned beef, cabbage, coffee.*Supper*—Bread, butter, cold meat, tea.**COST OF LIVING**—

| | |
|---|---------|
| Rent | \$144 |
| Fuel | 50 |
| Meat and groceries | 610 |
| Clothing, boots and shoes and dry goods | 160 |
| Books, papers, etc. | 35 |
| Trades unions | 24 |
| Sickness | 40 |
| Sundries | 80 |
| Total | \$1,163 |

| No. 72. | ROLLING MILL HAND. | Irish. |
|--|--------------------|--------------|
| EARNINGS —Of father..... | | |
| Of son, aged twenty..... | | \$420 |
| Of girl, aged sixteen..... | | 300 |
| Total..... | | 100 |
| | | \$820 |
| CONDITION —Family numbers 5—parents and three children, son aged twenty, and two girls, sixteen and twelve. The younger child attends school. The tenement, for which they pay a monthly rental of \$14, contains 4 rooms, and is comfortably furnished, but in poor location. Father had but about 40 weeks' work during the past year, and had it not been for the assistance rendered by his son and elder daughter, they would have been in debt at the end of the year. As it is, they saved but \$57. | | |
| FOOD — <i>Breakfast</i> —Bread, meat, potatoes and coffee. | | |
| <i>Dinner</i> —Meat, potatoes, bread, pie and tea. | | |
| <i>Supper</i> —Bread, cold meat and tea. | | |
| COST OF LIVING — | | |
| Rent..... | | \$163 |
| Fuel..... | | 40 |
| Meat and groceries..... | | 325 |
| Clothing, boots and shoes and dry goods..... | | 160 |
| Books, papers, etc..... | | 20 |
| Trades unions..... | | 5 |
| Sickness..... | | 15 |
| Sundries..... | | 30 |
| Total..... | | \$763 |

| No. 73. | SAWYER. | Canadian. |
|--|---------|--------------|
| EARNINGS —Of father..... | | \$624 |
| CONDITION —Family numbers 5—parents and three male children, aged respectively four, three and one year. Family reside in house containing three rooms, and pay for same per month \$9. Father carries some life insurance, but does not belong to the trades union. He works the entire year, and his wages average \$12 per week. He says the figures given below are a close estimate for cost of living in Chicago, without luxuries of any kind, but for merely the bare necessities of life. Had some sickness in the family during the year, for which he still owes the doctor. | | |
| FOOD — <i>Breakfast</i> —Toast and coffee. | | |
| <i>Dinner</i> —Bread, meat and coffee. | | |
| <i>Supper</i> —Meat and vegetables. | | |
| COST OF LIVING — | | |
| Rent..... | | \$108 00 |
| Fuel..... | | 48 00 |
| Meat..... | | 130 00 |
| Groceries..... | | 156 00 |
| Clothing..... | | 40 00 |
| Boots and shoes..... | | 17 00 |
| Dry goods..... | | 10 00 |
| Books, papers, etc..... | | 9 36 |
| Life insurance..... | | 20 00 |
| Sickness..... | | 13 88 |
| Sundries..... | | 47 76 |
| Total..... | | \$600 |

| No. 74. | SHOEMAKER. | American. |
|---|------------|--------------|
| EARNINGS —Of father..... | | \$700 |
| CONDITION —Family numbers 5—parents and three children, aged one, two and five years; all boys, and none of them are considered old enough to attend school. Occupy house containing three rooms, and pay for same rent at the rate of \$15 per month. The father says it takes all he can make to pay ordinary living expenses, and says it is utterly impossible to save anything. He says factory life in Chicago is a hard one. He belongs to trades union and carries some life insurance. Says he ought to live better than he does. | | |
| FOOD — <i>Breakfast</i> —Meat, eggs, bread and potatoes. | | |
| <i>Dinner</i> —Lunch. | | |
| <i>Supper</i> —Meats and vegetables. | | |
| COST OF LIVING — | | |
| Rent..... | | \$180 |
| Fuel..... | | 60 |
| Meat..... | | 144 |
| Groceries..... | | 96 |
| Clothing..... | | 36 |
| Boots and shoes..... | | 25 |
| Dry goods..... | | 50 |
| Books, papers, etc..... | | 12 |
| Life insurance..... | | 24 |
| Trades unions..... | | 4 |
| Sickness..... | | 100 |
| Sundries..... | | 66 |
| Total..... | | \$797 |

No. 75.

STEEL WORKER.

Irish.

EARNINGS—Of father \$760

CONDITION—Family numbers 3—husband, wife and one male child nearly two years of age. He owns a nice cottage, containing 4 rooms, which are well furnished; wife has a fine piano. They live very well indeed. Father belongs to trades union. His trade pays him \$5 per day, but owing to the rolling mill, in which he was employed, not working but about 20 weeks during the year, his earnings are comparatively small, but he has hopes of work for the entire year, and strong hopes for the future.

FOOD—*Breakfast*—Bread, butter, steak and coffee.
Dinner—Bread, butter, corned beef and cabbage.
Supper—Bread, butter, cold meat and coffee.

COST OF LIVING—

| | |
|--|-------|
| Fuel | \$30 |
| Meat and groceries | 190 |
| Clothing, boots and shoes, dry goods | 210 |
| Books, papers, etc | 10 |
| Trades unions | 30 |
| Sundries | 250 |
| Total | \$720 |

No. 76.

STONE CUTTER.

Irish.

EARNINGS—Of father \$1,008

CONDITION—Family numbers 6—parents and four children, three boys and one girl, aged respectively seven, nine, thirteen and three years. Three of the children attend public schools. They occupy a rented house containing 5 rooms, and pay per annum for the same \$141. Father had work 42 weeks of last year, and averaged \$4 per day. Belongs to trades union, and claims it to be an extremely strong organization, and had kept up the eight (8) hour system for the past 10 years. Live well and on a pleasant street. Expenses less than his earnings.

FOOD—*Breakfast*—Meat, coffee, bread, etc.
Dinner—Lunches.
Supper—Tea, meat, sauce, potatoes, etc.

COST OF LIVING—

| | |
|--------------------------|-------|
| Rent | \$144 |
| Fuel | 40 |
| Meat and groceries | 400 |
| Clothing | 100 |
| Boots and shoes | 40 |
| Dry goods | 50 |
| Books, papers, etc | 10 |
| Trades unions | 5 |
| Sickness | 25 |
| Sundries | 100 |
| Total | \$914 |

No. 77.

STREET-CAR CONDUCTOR.

American.

EARNINGS—Of father \$691

CONDITION—Family numbers 4—parents and two boys, aged two and four years. Father works 38 weeks in the year and 12 hours per day, and receives for his services an average of \$2.60 per day. Occupies house containing 4 comfortable rooms. Husband belongs to trades union, but does not carry any life insurance. Father does not have steady employment the entire year, and has very unpleasant hours to work. Goes to work at 5 o'clock A.M., works about six hours, then lays off until 4 P.M., from which time he works until 11 P.M.

FOOD—*Breakfast*—Bread, steak and coffee.
Dinner—Bread, vegetables, meat and fish.
Supper—Same as breakfast.

COST OF LIVING—

| | |
|---|-------|
| Rent | \$120 |
| Fuel | 60 |
| Meat and groceries | 280 |
| Clothing, boots and shoes and dry goods | 150 |
| Books, papers, etc | 15 |
| Trades unions | 5 |
| Sickness | 20 |
| Sundries | 40 |
| Total | \$690 |

No. 78.

STREET-CAR CONDUCTOR.

American.

EARNINGS—Of father.....

\$700

CONDITION—Family numbers 7—parents and five children, three girls and two boys, aged one to eight years. Two of the children attend school. Live in a house containing 5 rooms, for which they pay \$15 per month rent. House is in good locality and is very comfortable. Father is dissatisfied on account of his being compelled to work fifteen hours per day during the entire year. He thinks if the city owned the street railway and the working hours were reduced to eight hours a day, at their present wages, it would work a revolution and be more satisfactory to all concerned.

FOOD—*Breakfast*—Bread, butter, vegetables, cake and coffee.

Dinner—Bread, butter, vegetables, cake and coffee.

Supper—Bread, butter, vegetables, cake and coffee.

COST OF LIVING—

| | |
|--|-------|
| Rent..... | \$180 |
| Fuel, meat and groceries..... | 250 |
| Clothing, boots and shoes and dry goods..... | 145 |
| Books, papers, etc..... | 15 |
| Trades unions..... | 10 |
| Sickness..... | 20 |
| Sundries..... | 75 |
| Total..... | \$695 |

No. 79.

STREET-CAR CONDUCTOR.

American.

EARNINGS—Of father.....

\$780

CONDITION—Family numbers 6—father and five children, three girls and two boys, aged four to fifteen years. Three children attend public school. Family live in a house containing 5 rooms, for which they pay a rental of \$18 per month. House situated in good location and well furnished. Father works fifteen hours per day during fifty-two weeks of the year. The mother being dead, the older children keep house and take care of the younger child. When asked what they usually had for their meals, the father declined to inform the canvasser. They manage to save \$100 per annum.

COST OF LIVING—

| | |
|--|-------|
| Rent..... | \$216 |
| Fuel..... | 45 |
| Meat and groceries..... | 215 |
| Clothing, boots and shoes and dry goods..... | 175 |
| Trades unions..... | 4 |
| Sickness..... | 5 |
| Sundries..... | 20 |
| Total..... | \$690 |

No. 80.

STREET-CAR CONDUCTOR.

German.

EARNINGS—Of father.....

\$728

CONDITION—Family numbers 7—parents and five children, three girls, aged one, two and three years, and two boys, five and eight. Four of the children attend school. Live in a house containing 4 rooms, and pay rent for same at the rate of \$12 per month. House is in unhealthy location, and furnished poorly. Father says he was compelled to run in debt, and that fact keeps him behind in his expenses. He works sixteen hours every day in the year; never gets time to read the papers. Says the company is grinding him and all the others down to the starvation point. The only time he has when not at work is occupied in sleeping.

FOOD—*Breakfast*—Coffee, bread, butter and cakes.

Dinner—Lunches.

Supper—Bread, butter, tea, steak, etc.

COST OF LIVING—

| | |
|---|-------|
| Rent..... | \$144 |
| Fuel..... | 22 |
| Meat..... | 70 |
| Groceries..... | 190 |
| Clothing, boots and shoes, dry goods, books, papers, etc..... | 150 |
| Sickness..... | 30 |
| Sundries..... | 150 |
| Total..... | \$756 |

CONDITION OF FAMILIES.

385

No. 81.

STREET-CAR CONDUCTOR.

Irish.

EARNINGS—Of father.....\$672

CONDITION—Family numbers 9—parents and seven children, five girls and two boys. The girls are one, two, three, five and six years of age. The boys are eight-year old twins. Family live in tenement containing 4 rooms, for which they pay \$17 per month. Four of the children attend school regularly. The father works fifteen hours per day in winter, and sixteen in summer. Father seems to be intelligent, but is afraid of his employers. Did not seem disposed to give truthful answers to questions propounded, and when asked what food they had for their different meals, declined to say.

COST OF LIVING—

| | | |
|--|-------|-------|
| Rent..... | \$204 | |
| Fuel..... | 20 | |
| Meat and groceries..... | 46.0 | |
| Clothing, boots and shoes and dry goods..... | 50 | |
| Sickness..... | 10 | |
| Total..... | | \$684 |

No. 82.

STREET-CAR CONDUCTOR.

Irish.

EARNINGS—Of father.....\$700

CONDITION—Family numbers 5—parents and three children, all girls, aged one, two and five years. Occupy house containing 3 rooms, and pay rent for it at the rate of \$8 per month. Father works fourteen hours in winter, and sixteen in summer, for a day's work, and receives an average of \$2 per day. Says the company are tyrants, and that the hours are entirely too many for a day's labor. House is in unhealthy locality, sewerage bad, and but one room carpeted. It takes about all he can make to pay living expenses.

FOOD—*Breakfast*—Coffee, bread and butter.
Dinner—Soup, meat, etc.
Supper—Bread, butter, cold meats and tea.

COST OF LIVING—

| | | |
|--|------|-------|
| Rent..... | \$96 | |
| Fuel..... | 15 | |
| Meat and groceries..... | 34.0 | |
| Clothing, boots and shoes and dry goods..... | 75 | |
| Books, papers, etc..... | 1 | |
| Sickness..... | 100 | |
| Sundries..... | 50 | |
| Total..... | | \$677 |

No. 83.

STREET-CAR CONDUCTOR.

American.

EARNINGS—Of father.....\$728

CONDITION—Family numbers 8—parents and six children, three boys and three girls, aged five, three, eight, nine, two, eleven, respectively. Three of them go to public school. The house they occupy contains 4 rooms. A rental of \$12 per month is paid. Father works sixteen hours per day for three hundred and sixty-five days in the year, and says it is too much for any man, and considers it a hard world for a free country. The children attend Sunday-school and church, but he gets no time. It takes more money than he can earn to support his family.

FOOD—*Breakfast*—Bread, coffee, and occasionally meat.
Dinner—Bread, coffee, and occasionally meat.
Supper—Bread, coffee, and occasionally meat.

COST OF LIVING—

| | | |
|---|-------|-------|
| Rent..... | \$144 | |
| Fuel..... | 20 | |
| Meat and groceries..... | 384 | |
| Clothing, boots and shoes, dry goods, books, papers, etc..... | 150 | |
| Sickness..... | 100 | |
| Sundries..... | 100 | |
| Total..... | | \$898 |

No. 84.

STREET-CAR DRIVER.

Irish.

EARNINGS—Of father \$756

CONDITION—Number in family 7—father, mother and five children, three girls and two boys, aged two, four, seven, six and eleven years. Two of the children attend day school. Family live in house containing 6 rooms, and pay \$20 rent for same. Two of the rooms are carpeted. Have sewing-machine. Furniture is "second-class." House is in a healthy location, but the rent is too high. He complains that the "street-car company is too tyrannical." He works every day in the year, and fourteen hours in winter and sixteen in summer. His expenses exceed his income.

FOOD—*Breakfast*—Pancakes, coffee, bread and butter.

Dinner—Soup, potatoes, bread and meat.

Supper—Mush, oatmeal and coffee.

COST OF LIVING—

| | |
|---|-------|
| Rent | \$240 |
| Fuel | 18 |
| Meat and groceries | 332 |
| Clothing, boots and shoes and dry goods | 150 |
| Books, papers, etc. | 5 |
| Sickness | 18 |
| Total | \$763 |

No. 85.

STREET-CAR DRIVER.

Irish.

EARNINGS—Of father \$819
 Of son, twenty years of age 700
 Of son, eighteen years of age 500
 Total \$2,019

CONDITION—Family numbers 5—father, mother and three sons, aged thirteen, eighteen and twenty years. Two of the sons are clerks in dry-goods store down street, and help furnish the home and the other expenses of living. Have an abundance of reading matter. Father works sixteen hours per day, every day in the year, and receives \$2.25 per day. The house they occupy is in a pleasant part of the city and contains 7 rooms, for which they pay \$20 per month. They live very well, indeed, but do not save much money, if any.

FOOD—*Breakfast*—Meat, potatoes, tea, coffee, bread and butter.

Dinner—Soup, meats, pie, cakes, etc.

Supper—Tea, coffee, cold meats, etc.

COST OF LIVING—

| | |
|--------------------------|---------|
| Rent | \$340 |
| Fuel | 75 |
| Meat and groceries | 400 |
| Clothing | 150 |
| Boot and shoes | 50 |
| Dry goods | 75 |
| Books, papers, etc. | 50 |
| Sickness | 150 |
| Sundries | 300 |
| Total | \$1,990 |

No. 86.

STREET-CAR DRIVER.

Irish.

EARNINGS—Of father \$896
 Of wife 54
 Total \$950

CONDITION—Family numbers 10—parents and eight children, five boys and three girls, aged from one to fifteen years. Three of the children attend school, the others "run the streets." The cottage they occupy is a miserable affair, containing four rooms, for which they pay \$7.50 per month rental. House is inconvenient and untidy. The mother goes out washing and during her absence the children do about as they please, and consequently little attention is paid to their education. The father works twelve hours each day, during fifty-one weeks of the year. He is a member of the trades' union. They live up to their income.

FOOD—*Breakfast, Dinner and Supper*—Bread, butter, fresh and salt meat, with vegetables, etc.

COST OF LIVING—

| | |
|---|-------|
| Rent | \$30 |
| Fuel | 60 |
| Meat and groceries | 425 |
| Clothing, boots and shoes and dry goods | 240 |
| Books, papers, etc. | 10 |
| Trades unions | 5 |
| Sickness | 25 |
| Sundries | 95 |
| Total | \$950 |

No. 87.

STREET-CAR DRIVER.

German.

EARNINGS—Of father..... \$730

CONDITION—Family numbers 5—parents and three girls, aged two, three and five years. They occupy a house, which they rent and pay \$12 per month for, and which contains 3 rooms. The house belongs to the car company and he considers the rent exorbitant. He works sixteen hours every day in the year, and says unless he lays off from work, he never sees his children except when asleep. He receives only \$2 for sixteen hours work. Says it takes all he can earn to support his family.

FOOD—*Breakfast*—Bread, butter, cakes, meat and coffee.*Dinner*—Soup, meat, potatoes and coffee.*Supper*—Bread, butter and coffee.

COST OF LIVING—

| | |
|---|-------|
| Rent..... | \$144 |
| Fuel..... | 17 |
| Meat and groceries..... | 300 |
| Clothing, boots, shoes and dry goods..... | 100 |
| Books, papers, etc..... | 5 |
| Sickness..... | 50 |
| Sundries..... | 50 |
| Total..... | \$666 |

No. 88.

STREET-CAR DRIVER.

American.

EARNINGS—Of father..... \$648

CONDITION—Family numbers 6—father, mother and four children, two boys and two girls, aged two, five, seven and nine years. Three of them go to the public schools. They occupy a house containing 5 rooms, and pay rent for same at the rate of \$12 per month. Location is good, house fairly furnished, three rooms carpeted, and wife has sewing machine. Father's principal complaint is that his working hours are so long (being sixteen hours each day) that he can not see his children once a week, unless he loses time and money. He receives \$2.25 per day. They manage to save a little money each year.

FOOD—*Breakfast*—Bread, butter and tea.*Dinner*—Lunches.*Supper*—Lunches.

COST OF LIVING—

| | |
|-------------------------|-------|
| Rent..... | \$144 |
| Fuel..... | 22 |
| Meat and groceries..... | 168 |
| Clothing..... | 25 |
| Boots and shoes..... | 18 |
| Dry goods..... | 120 |
| Books, papers, etc..... | 3 |
| Sickness..... | 12 |
| Sundries..... | 36 |
| Total..... | \$548 |

No. 89.

TAILOR.

Bohemian.

EARNINGS—Of father..... \$600

CONDITION—Family numbers 6—parents and four children, all girls, ages not given. Two of them go to school regularly. The house they occupy contains 4 rooms, poorly furnished, no carpets. The children attend church. The father says he is running behind in his expenses, and considers the house rent of \$9 too high. He works eight hours in winter and ten during summer, and receives \$2 per day wages. Says the trade is run down by females and factory work. He carries no life insurance, and belongs to no unions.

FOOD—*Breakfast*—Bread, meat and coffee.*Dinner*—Soup, meat, bread, butter and potatoes.*Supper*—Meat, bread, butter and tea.

COST OF LIVING—

| | |
|---|-------|
| Rent..... | \$108 |
| Fuel..... | 30 |
| Meat and groceries..... | 400 |
| Clothing, boots, shoes and dry goods..... | 150 |
| Sickness..... | 100 |
| Sundries..... | 100 |
| Total..... | \$888 |

| No. 90. | TEAMSTER. | Dane. |
|--|-----------|-------|
| EARNINGS—Of father..... | | \$840 |
| CONDITION—Family numbers four—father, mother and two boys. Both go to school. They occupy a house containing 4 rooms, and pay rental for same at the rate of \$10 per month. Father carries some life insurance. He is only able to secure work for thirty-five weeks in the year, and considers the system of contract and convict labor detrimental to the general class of laborers and mechanics, and is also in favor of the eight-hour law, for the reason, among others, that machinery has taken the places of workmen in factories, thereby enforcing thousands of men to idleness each year. By shortening the hours of labor, many men who are now tramps would work. | | |
| Food— <i>Breakfast</i> —Meat, bread and coffee. <i>Dinner</i> —Meat and sundries. <i>Supper</i> —Tea and bread. | | |
| COST OF LIVING— | | |
| Rent..... | \$120 | |
| Fuel..... | 50 | |
| Meat..... | 130 | |
| Groceries..... | 200 | |
| Clothing..... | 50 | |
| Boots and shoes..... | 40 | |
| Dry goods..... | 25 | |
| Books, papers, etc..... | 7 | |
| Life insurance..... | 15 | |
| Sickness..... | 10 | |
| Sundries..... | 193 | |
| Total..... | | \$840 |

| No. 91. | TEAMSTER. | German. |
|---|-----------|---------|
| EARNINGS—Of father..... | | \$450 |
| CONDITION—Family numbers 8—parents and six children, two boys and four girls, aged from one to twelve years. Three of them attend school, and the entire family go regularly to church. They rent a house containing 5 rooms, and pay a rental of \$8 per month. House is in unhealthy location, as his bill of \$40 for sickness would indicate. Carries no insurance and belongs to no unions. Father says it costs more than he can earn to support his family, and if it were not for some money that his wife had left her, they could not keep out of debt. | | |
| Food— <i>Breakfast</i> —Bread and coffee. <i>Dinner</i> —Soup, meat and potatoes. <i>Supper</i> —Bread, molasses and coffee. | | |
| COST OF LIVING— | | |
| Rent..... | \$96 | |
| Fuel..... | 13 | |
| Meat and groceries..... | 288 | |
| Clothing, boots and shoes and dry goods..... | 100 | |
| Sickness..... | 40 | |
| Total..... | | \$537 |

| No. 92. | TEAMSTER. | German. |
|---|-----------|---------|
| EARNINGS—Of father..... | | \$378 |
| CONDITION—Family numbers 6—parents and four children, one boy and three girls, ages not stated. The children all attend school, and after school they pick up rags and coal. They rent a house of 4 rooms for \$8 per month. The rooms are miserable affairs, dirty, inconvenient and consequently unhealthy and furnished very poorly. Family is dependent upon charity for most everything they have. Father works forty-five weeks a year, and receives on an average of \$1.50 per day of from twelve to fourteen hours. The cost of living far exceeds their earnings. Had considerable sickness during past year. | | |
| Food— <i>Breakfast</i> —Bread, butter and coffee. <i>Dinner</i> —Meat, bread and potatoes. <i>Supper</i> —Bread and tea. | | |
| COST OF LIVING— | | |
| Rent..... | \$96 | |
| Fuel..... | 12 | |
| Meat and groceries..... | 200 | |
| Clothing, boots and shoes and dry goods..... | 100 | |
| Books, papers, etc..... | 5 | |
| Sickness..... | 50 | |
| Sundries..... | 10 | |
| Total..... | | \$473 |

No. 93.

TEAMSTER.

Irish.

EARNINGS—Of husband..... \$530

CONDITION—Family numbers 2—husband and wife. Living in a tenement house; use 3 rooms for which they pay \$3 per month. Surroundings poor; owns his horse and wagon, has steady work about seven months of the year, during which he averages \$3 per day, the balance of the year earns enough to pay expenses

FOOD—*Breakfast*—Bread and coffee.
Dinner—Bread, meat, potatoes.
Supper—Bread, butter, tea.

COST OF LIVING—

| | |
|--|-------|
| Rent..... | \$96 |
| Fuel..... | 25 |
| Meat and groceries..... | 200 |
| Clothing, boots and shoes and dry goods..... | 50 |
| Books, papers, etc..... | 5 |
| Sickness..... | 10 |
| Sundries..... | 110 |
| Total..... | \$496 |

No. 94.

TELEGRAPHIST.

American.

EARNINGS—Of father..... \$1,080

CONDITION—Family numbers 4—father, mother and two children, girl two years of age, and boy four years. They occupy a rented house containing 5 rooms, and pay for same \$15 per month. His working hours are nine hours per day the year through. He says he was engaged in the general strike of last year and was working for a railway company, who took all their men back after the strike. He was very loth to give information relative to the strike, but by persistence the above facts were finally secured. He is saving some money, and seems to be well satisfied with his work and general condition.

FOOD—*Breakfast*—Bread, butter, ham and eggs and coffee.
Dinner—Bread, butter, beef and coffee.
Supper—Bread, butter, roasts, vegetables and coffee.

COST OF LIVING—

| | |
|--|-------|
| Rent..... | \$216 |
| Fuel, meat and groceries..... | 280 |
| Clothing, boots and shoes and dry goods..... | 250 |
| Books, papers, etc..... | 12 |
| Sundries..... | 110 |
| Total..... | \$868 |

No. 95.

TRUNK MAKER.

German.

EARNINGS—Of father..... \$900

CONDITION—Family numbers 5—father, mother and three girls, one, three and six years old. Two of them attend public school, and the entire family are church members. The house they occupy contains 3 rooms, and pay rent for same at the rate of \$15 per month. The house is one of a good brick block, in a very healthy location. Family dress well, seem to be intelligent, and among their other possessions they have an organ. They manage to save about \$100 per year. Father belongs to trades union, but does not carry any life insurance.

FOOD—*Breakfast*—Bread, meat and coffee.
Dinner—Meat, bread, vegetables and coffee.
Supper—Cold meat, bread and coffee.

COST OF LIVING—

| | |
|--|-------|
| Rent..... | \$180 |
| Fuel..... | 40 |
| Meat and groceries..... | 300 |
| Clothing, boots and shoes and dry goods..... | 210 |
| Books, papers, etc..... | 30 |
| Trades unions..... | 10 |
| Sundries..... | 25 |
| Total..... | \$795 |

No. 96

UPHOLSTERER.

Irish.

EARNINGS—Of husband \$480

CONDITION—Family numbers 2—husband and wife. Occupy a house which is very nicely furnished, containing 3 rooms, for which they pay \$7 per month. They live happily; wife is very neat and tidy, and both are intelligent. Father works forty weeks during the year, and seven hours for a days work in winter and ten in summer, for which he receives \$2 per day. He belongs to trades union, but does not carry any life insurance. Have had no sickness during the year. Their expenses about equal their earnings.

FOOD—*Breakfast*—Tea, coffee, bread and butter.

Dinner—Meat, bread, potatoes and coffee.

Supper—Tea, bread and butter.

COST OF LIVING—

| | |
|---|-------|
| Rent | \$34 |
| Fuel | 12 |
| Meat and groceries | 210 |
| Clothing, boots and shoes and dry goods | 100 |
| Books, papers, etc | 10 |
| Trades unions | 7 |
| Sundries | 20 |
| Total | \$443 |

No. 97.

UPHOLSTERER.

Pole.

EARNINGS—Of father \$360

CONDITION—Family numbers 4—parents and two children, two boys, aged five and nine years, and one of them attends school. They rent a house containing 3 rooms for \$5 per month, which is dirty and in an unhealthy location, consequently had considerable sickness during the past year. The children pick up coal on railway track, and while doing so, one of them was run over by the cars, thereby losing a leg. He now blacks boots and sells newspapers, but his earnings are not taken into consideration. Father carries no life insurance, and does not belong to trade union.

FOOD—*Breakfast*—Coffee, bread and lard.

Dinner—Meat, soup and potatoes.

Supper—Coffee and bread.

CONDITION—

| | |
|------------------------------------|-------|
| Rent | \$60 |
| Fuel | 10 |
| Meat and groceries | 175 |
| Clothing and boots and shoes | 50 |
| Dry goods | 10 |
| Sickness | 50 |
| Sundries | 5 |
| Total | \$360 |

No. 98.

UPHOLSTERER.

German.

EARNINGS—Of father \$480

CONDITION—Family numbers 5—father, mother and three children, one boy aged seven, and two girls five and two years old. The house they occupy contains four cozy rooms, all nicely carpeted. Family comparatively healthy. Wife quite intelligent, and children neat and well dressed. Father belongs to trades union, and carries some life insurance. He states that he has run in debt during the past year somewhat, but principally for groceries. Father works but about forty weeks during the year, and receives \$2 per day, for seven hours work in winter and ten in summer. If he had work the entire year he would not now be in debt.

FOOD—*Breakfast*—Coffee, meat, bread and butter.

Dinner—Lunches.

Supper—Coffee, bread, potatoes and meat.

COST OF LIVING—

| | |
|---|-------|
| Rent | \$120 |
| Fuel | 15 |
| Meat and groceries | 260 |
| Clothing, boots and shoes and dry goods | 100 |
| Books, papers, etc | 4 |
| Life insurance | 8 |
| Trades union | 7 |
| Sickness | 20 |
| Sundries | 50 |
| Total | \$584 |

No. 99.

UPHOLSTERER.

German.

| | | |
|----------------------------------|-------|-------|
| EARNINGS—Of father..... | \$480 | |
| Of boy, fifteen years old..... | 175 | |
| Of girl, eighteen years old..... | 300 | |
| Total..... | | \$955 |

CONDITION—Family numbers 7—father, mother and five children, three boys and two girls, the former aged five, nine and fifteen, and the latter eleven and eighteen years. Two of the children attend school. \$12 per month pays rent for a comfortable house containing 5 nicely furnished rooms, and all of them well carpeted. Family is intelligent, wife industrious and economical. The head of the family can only secure work for about forty weeks during the year, and receives an average of \$3 per day for his services. He belongs to trades union, and carries some life insurance. On the whole, they are a happy family.

FOOD—*Breakfast*—Tea, coffee, bread, potatoes and meat.
Dinner—Soup, meat and potatoes.
Supper—Coffee, bread and butter.

COST OF LIVING—

| | | |
|---|-------|-------|
| Rent..... | \$144 | |
| Fuel..... | 22 | |
| Meat and groceries..... | 364 | |
| Clothing, boots, shoes and dry goods..... | 150 | |
| Books, papers, etc..... | 10 | |
| Life insurance..... | 12 | |
| Trades unions..... | 7 | |
| Sickness..... | 40 | |
| Sundries..... | 50 | |
| Total..... | | \$799 |

No. 100.

UPHOLSTERER.

Bohemian.

| | |
|-------------------------|-------|
| EARNINGS—Of father..... | \$420 |
|-------------------------|-------|

CONDITION—Family numbers 8—husband, wife and six children, four girls and two boys, the former aged, respectively, one month, one and a half, three and nine years, the latter five and seven. One of the children attends school; the rest of them, that are old enough, pick up coal, and go to the fruit warehouses and collect decayed fruit and other spoiled food. The family eat poor and spoiled meats, and live miserably, but seem to grow fat on it, and have but very little sickness. House contains three rooms, into which the eight persons are huddled. They pay \$6 per month for the house. Family is dirty and ignorant in the extreme. The stench from the rooms is as bad as that from the stock yards.

FOOD—*Breakfast*—Coffee and bread.
Dinner—Soup and potatoes.
Supper—Coffee and bread.

COST OF LIVING—

| | | |
|--------------------------------|------|-------|
| Rent..... | \$72 | |
| Fuel..... | 8 | |
| Meat and groceries..... | 240 | |
| Clothing, boots and shoes..... | 80 | |
| Dry goods..... | 10 | |
| Sickness..... | 10 | |
| Total..... | | \$420 |

FAMILIES OUTSIDE OF CHICAGO,

In Various Cities and Towns.

| No. 101. | | BAGGAGE-MASTER. | | American. | |
|--|------|-------------------------|--|-----------|---------|
| EARNINGS—Of husband..... | | | | \$720 | |
| Of wife..... | | | | 280 | |
| Total..... | | | | | \$1,000 |
| CONDITION—Family numbers 3—husband and wife, and a relative. They rent a house of 6 rooms, and pay per month for it \$17. House is comfortable, and fairly furnished—carpets on the floors, and own a sewing machine. Tenement is situated on good-sized lot, in healthy and pleasant locality. Most of the lot is neatly cultivated as a garden, with strawberries and other small fruits. Surroundings kept neat and attractive. Flowers cultivated. Wife gives meals to two or three men, and makes some money besides. Family cheerful and happy. Surplus money put in bank for future contingencies. Husband carries some life insurance. | | | | | |
| FOOD— <i>Breakfast</i> —Beefsteak, bread, butter, potatoes and coffee. | | | | | |
| <i>Dinner</i> —Boiled meats, bread, butter, potatoes, pastries and tea. | | | | | |
| <i>Supper</i> —Cold meats, bread, butter, potatoes, jellies, fruits and tea. | | | | | |
| COST OF LIVING— | | | | | |
| Rent..... | | | | \$204 | |
| Fuel..... | | | | 40 | |
| Meat..... | | | | 146 | |
| Groceries..... | | | | 180 | |
| Clothing..... | | | | 25 | |
| Boots and shoes..... | | | | 35 | |
| Dry goods..... | | | | 25 | |
| Books, papers, etc..... | | | | 7 | |
| Life insurance..... | | | | 33 | |
| Sickness..... | | | | 25 | |
| Sundries..... | | | | 5 | |
| Total..... | | | | | \$725 |
| No. 102. | | BLAST-FURNACE MAN. | | American. | |
| EARNINGS—Of father..... | | | | \$537 | |
| Of son, aged twenty-two..... | | | | 537 | |
| Total..... | | | | | \$1,074 |
| CONDITION—Family numbers 4—father and three children, two girls and one boy. One of the children attends school. The wife died last year, and the oldest girl cares for the household. The ages of the children are from fourteen to twenty-two years. The family occupy a nice 6-room cottage, which they are paying for in installments, to the Home and Loan Association. The house is nicely furnished; rooms all carpeted except kitchen. Own sewing machine. Family intelligent, and dress and live well. The large amount shown for sickness was caused by the death in the family. They are saving some money. | | | | | |
| FOOD— <i>Breakfast</i> —Bread, butter, meat, tea or coffee. | | | | | |
| <i>Dinner</i> —Meat, potatoes, bread and butter. | | | | | |
| <i>Supper</i> —Bread, butter, meat, tea or coffee. | | | | | |
| COST OF LIVING— | | | | | |
| Fuel..... | \$60 | Dry goods..... | | \$35 | |
| Meat..... | 120 | Books, papers, etc..... | | 17 | |
| Groceries..... | 300 | Sickness..... | | 100 | |
| Clothing..... | 75 | Sundries..... | | 50 | |
| Boots and shoes..... | 40 | Total..... | | | \$797 |
| No. 103. | | BRIDGE-BUILDER. | | American. | |
| EARNINGS—Of father..... | | | | | \$1,080 |
| CONDITION—Family numbers 5—parents and three children, all boys, aged two, seven and ten years. Two of the boys attend school. Father owns a common house containing 3 rooms, located in bad neighborhood. Have an organ. House is poorly furnished. Family is illiterate. Father is aware of the circumstance, and is spending considerable money on the boys. Surplus money invested in real estate; owns a farm and several town lots. Father has regular work during the entire year, and receives \$90 per month for his services; carries some life insurance, but does not belong to trades union. | | | | | |
| FOOD— <i>Breakfast</i> —Tea, bread and salt meat. | | | | | |
| <i>Dinner</i> —Lunch. | | | | | |
| <i>Supper</i> —Tea, boiled salt meat, vegetables, bread and butter. | | | | | |
| COST OF LIVING— | | | | | |
| Fuel..... | \$12 | Dry goods..... | | \$50 | |
| Meat..... | 45 | Books, papers, etc..... | | 25 | |
| Groceries..... | 240 | Life insurance..... | | 8 | |
| Clothing..... | 125 | Sickness..... | | 15 | |
| Boots and shoes..... | 35 | Sundries..... | | 25 | |
| | | Total..... | | | \$580 |

No. 104.

BRAKEMAN.

American.

EARNINGS—Of father.....\$484

CONDITION—Family numbers 4—parents and two children, one boy and one girl, aged two and six years. One of them attends school. Family own their house, which contains 5 rooms, and which is in a pleasant and healthy locality, nicely furnished throughout, including kitchen. They own a sewing machine. Have a good garden in summer and own a cow. The entire family dress and live well. The husband carries some life insurance, but belongs to no union. Had no sickness in the family during the past year. The father buys some of his meals on the line of road, which are not included in the following.

FOOD—Breakfast—Bread, butter and tea.
Dinner—Salt meat, potatoes, bread, butter and tea.
Supper—Bread, butter, sausage and tea.

| | |
|-------------------------|-------|
| COST OF LIVING— | |
| Fuel..... | \$40 |
| Meat..... | 70 |
| Groceries..... | 225 |
| Clothing..... | 35 |
| Boots and shoes..... | 23 |
| Dry goods..... | 28 |
| Books, papers, etc..... | 15 |
| Life insurance..... | 7 |
| Sundries..... | 25 |
| Total..... | \$468 |

No. 105.

BRAKEMAN.

Irish.

EARNINGS—Of father.....\$360

CONDITION—Family numbers 10—parents and eight children, six girls and two boys, aged one year to fifteen. Four of them attend public school. Family occupy a house of 3 rooms, for which they pay \$5 per month rental. The house presents a most wretched appearance. Clothes ragged, children half dressed and dirty. They all sleep in one room regardless of sex. The house is devoid of furniture, and the entire concern is as wretched as could well be imagined. Father is shiftless and does not keep any one place for any length of time. Wife is without ambition or industry.

FOOD—Breakfast—Bread, coffee and syrup.
Dinner—Potatoes, soup and bread, occasionally meat.
Supper—Bread, syrup and coffee.

| | |
|-------------------------|-------|
| COST OF LIVING— | |
| Rent..... | \$60 |
| Fuel..... | 25 |
| Meat..... | 20 |
| Groceries..... | 360 |
| Clothing..... | 50 |
| Boots and shoes..... | 15 |
| Dry goods..... | 30 |
| Books, papers, etc..... | 20 |
| Sickness..... | 5 |
| Total..... | \$585 |

No. 106.

CARPENTER.

English.

| | |
|----------------------------------|-------|
| EARNINGS—Of father..... | \$528 |
| Of son, aged eleven years..... | 63 |
| Of son, aged thirteen years..... | 63 |
| Total..... | \$654 |

CONDITION—Family numbers 6—parents and four children, one girl and three boys, aged two, seven, eleven and thirteen years. Two of the children attend private school. Family occupies a house which they own, and which only contains one room, but it is very large. House is clean, with common furniture, no carpets. House is in fair neighborhood as to health and general surroundings. Family respectable and intelligent and go to church regularly. The boys pick up from the coal yards all the fuel they use, and deliver daily papers before school. Surplus money goes to improve the property.

FOOD—Breakfast—Bread and coffee.
Dinner—Bread and soup.
Supper—Coffee, bread, meat, potatoes, rice, etc.

| | |
|-------------------------|-------|
| COST OF LIVING— | |
| Meat..... | \$60 |
| Groceries..... | 175 |
| Clothing..... | 75 |
| Boots and shoes..... | 15 |
| Dry goods..... | 20 |
| Books, papers, etc..... | 25 |
| Life insurance..... | 10 |
| Sickness..... | 50 |
| Sundries..... | 50 |
| Total..... | \$480 |

| No. 107. | COAL MINER. | English. |
|---|-------------|----------|
| EARNINGS —Of father..... | | |
| Of son, aged seventeen years..... | | \$360 |
| Of son, aged fifteen years..... | | 180 |
| Total..... | | 180 |
| | | |
| CONDITION —Family numbers 7—parents and five children, three boys and two girls, aged from six to twenty years. They live in their own house, which they have just finished building, and which is not quite all paid for yet. House contains 5 rooms, but as yet not well furnished. They own sewing machine, dress neatly, attend church, and are comparatively intelligent, and will prosper if work remains good. They have a good garden and family are industrious. Father belongs to trades union, but carries no life insurance. They are saving some money to finish payments on house, and to furnish it better. | | |
| FOOD — <i>Breakfast</i> —Bread, butter, toast, meat and coffee. | | |
| <i>Dinner</i> —Cold meat, bread, pie, cheese and tea. | | |
| <i>Supper</i> —Bread, meat, vegetables, fruit and tea. | | |
| COST OF LIVING — | | |
| Fuel..... | | \$25 |
| Meat..... | | 125 |
| Groceries..... | | 250 |
| Clothing..... | | 75 |
| Boots and shoes..... | | 35 |
| Dry goods..... | | 40 |
| Books, papers, etc..... | | 5 |
| Trades unions..... | | 5 |
| Sickness..... | | 15 |
| Total..... | | \$575 |

\$720

| No. 108. | COAL MINER. | American. |
|---|-------------|-----------|
| EARNINGS —Of father..... | | |
| Of son, aged fifteen years..... | | \$492 |
| Total..... | | 240 |
| | | |
| CONDITION —Family numbers 4—parents and two children, male and female, aged respectively fifteen and seventeen years. The boy is at work. Family live in their own house, containing 4 rooms, neatly furnished with good, substantial furniture, carpeted, and have organ and sewing machine, also good garden; keep pigs and chickens. Family dress well and attend church. They seem to live well, but not extravagantly, and are probably putting away a little money. Father belongs to trades union. Have had some sickness in the family but not a great deal. | | |
| FOOD — <i>Breakfast</i> —Bread, butter, eggs or meat and coffee. | | |
| <i>Dinner</i> —Cold meat, bread, cheese, pie or cake, and tea. | | |
| <i>Supper</i> —Bread, meat, eggs, butter, vegetables, preserves and tea. | | |
| COST OF LIVING — | | |
| Fuel..... | | \$25 |
| Meat..... | | 80 |
| Groceries..... | | 250 |
| Clothing..... | | 40 |
| Boots and shoes..... | | 20 |
| Dry goods..... | | 30 |
| Books, papers, etc..... | | 2 |
| Trades unions..... | | 2 |
| Sickness..... | | 15 |
| Total..... | | \$464 |

\$672

| No. 109. | COAL MINER. | American. |
|--|-------------|-----------|
| EARNINGS —Of father..... | | |
| | | |
| CONDITION —Family numbers 3—parents and one child, a girl of six years, and she attends school. Family live in their own house, which is a good one, and contains 3 rooms, which are cheaply furnished and have rag carpets. They have a large garden, fowls, and show evidences of strict economy. Family attend church regularly. Own sewing machine. Father fairly industrious and very steady. He receives \$1.50 per day of 10 hours for his labor, and works 45 weeks of the year. Does not belong to trades union, nor does he carry any life insurance. | | |
| FOOD — <i>Breakfast</i> —Bread, butter, molasses, eggs, sometimes meat. | | |
| <i>Dinner</i> —Cold meat, bread, butter, pie or cake and tea. | | |
| <i>Supper</i> —Bread, meat, vegetables, molasses, fruit and tea. | | |
| COST OF LIVING — | | |
| Fuel..... | | \$20 |
| Meat..... | | 72 |
| Groceries..... | | 100 |
| Clothing..... | | 25 |
| Boots and shoes..... | | 12 |
| Dry goods..... | | 20 |
| Sickness..... | | 15 |
| Total..... | | \$264 |

\$405

No. 110.

COAL MINER.

Scotch.

| | | |
|----------------------------------|-------|-------|
| EARNINGS —Of father..... | \$315 | |
| Of son, aged sixteen years..... | 210 | |
| Of son, aged fourteen years..... | 75 | |
| Total..... | | \$600 |

CONDITION—Family numbers 5—parents and three children, two boys and one girl, aged eight, fourteen and sixteen years. Two of the boys are at work, the girl at home. The family occupy a good, brick house, containing 4 rooms, for which they pay a rental of \$10 per month. The house is neatly furnished and carpeted. They have a large garden and plenty of small fruit. Family seem to be intelligent and dress neatly. Father works thirty-five weeks of the year, and receives \$1.50 per day for his labor. If it were not for the assistance rendered by the boys, they would overrun their earnings; as it is they save no money.

FOOD—*Breakfast*—Bread, butter, meat, potatoes and tea.
Dinner—Bread, butter, meat, cheese and tea.
Supper—Bread, butter, fruit, molasses, cake and tea.

| | | |
|-------------------------|-------|-------|
| COST OF LIVING — | | |
| Rent..... | \$120 | |
| Fuel..... | 30 | |
| Meat..... | 100 | |
| Groceries..... | 200 | |
| Clothing..... | 75 | |
| Boots and shoes..... | 30 | |
| Dry goods..... | 25 | |
| Books, papers, etc..... | 8 | |
| Sickness..... | 10 | |
| Total..... | | \$598 |

No. 111.

COAL MINER.

Welsh.

| | |
|---------------------------------|-------|
| EARNINGS —Of father..... | \$480 |
|---------------------------------|-------|

CONDITION—Family numbers 5—parents and three children, one boy and two girls, from one to eight years. One of the boys attends school. Family occupy a fair house, which they own, and which contains four rooms. Furniture very plain and scant. Own sewing-machine and have a large garden. Father also owns another house which he rents for \$60 per year. He is very industrious, and pretty steady. Receives \$2 per day for his work, and works forty weeks of the year. Wife is economical and tidy. They have pigs and chickens, and are saving some money. Father belongs to trades union, but carries no life insurance.

FOOD—*Breakfast*—Bread, butter, potatoes, meat or eggs and coffee.
Dinner—Bread, butter, meat, cheese, pie and tea.
Supper—Bread, meat, vegetables, butter and tea.

| | | |
|-------------------------|------|-------|
| COST OF LIVING — | | |
| Fuel..... | \$25 | |
| Meat..... | 90 | |
| Groceries..... | 140 | |
| Clothing..... | 40 | |
| Boots and shoes..... | 20 | |
| Dry goods..... | 25 | |
| Books, papers, etc..... | 2 | |
| Trades union..... | 6 | |
| Total..... | | \$348 |

No. 112.

COAL MINER.

American.

| | |
|---------------------------------|-------|
| EARNINGS —Of father..... | \$250 |
|---------------------------------|-------|

CONDITION—Family numbers 7—husband wife, and five children, three girls and two boys, aged from three to nineteen years. Three of them go to the public school. Family live in 2 rooms tenement in healthy locality, for which they pay \$6 per month rent. The house is scantily furnished, without carpets, but is kept neat and clean. They are compelled to live very economically, and every cent they earn is used to the best advantage. Father had only thirty weeks work during the past year. He belongs to trades union. The figures for cost of living are actual and there is no doubt the family lived on the amount specified

FOOD—*Breakfast*—Bread, coffee and salt meat.
Dinner—Meat, bread, coffee and butter.
Supper—Sausage, bread and coffee.

| | | | |
|-------------------------|------|-------------------|-------|
| COST OF LIVING — | | | |
| Rent..... | \$72 | Dry goods..... | 20 |
| Fuel..... | 20 | Trades union..... | 3 |
| Meat..... | 20 | Sickness..... | 10 |
| Groceries..... | 60 | Sundries..... | 5 |
| Clothing..... | 28 | Total..... | \$253 |
| Boots and shoes..... | 15 | | |

No. 113.

COAL MINER.

German.

EARNINGS—Of father.....

\$225

CONDITION—Family numbers 6—parents and four children, three boys and one girl, aged from one to ten years. Two of them attend school regularly. Family live in a house containing 2 rooms, for which they pay \$6 per month rent. House is neatly kept, but scantily furnished, and the furniture is poor and cheap. They have a sewing machine. Family is ordinarily intelligent. Father only had twenty-five weeks' work during the past year, for which he received \$9 per week. He belongs to trades union. His boys will be able to assist in two or three years, and with that and more work for himself he will do better.

FOOD—Breakfast—Bread, coffee and sausage.

Dinner—Meat, coffee, vegetables and bread.

Supper—Meat, bread and coffee.

COST OF LIVING—

| | |
|-----------------------|-------|
| Rent | \$72 |
| Fuel | 24 |
| Meat | 60 |
| Groceries | 60 |
| Clothing | 10 |
| Boots and shoes | 6 |
| Dry goods | 10 |
| Trades unions | 3 |
| Sundries | 15 |
| Total | \$260 |

No. 114.

COAL MINER.

German.

EARNINGS—Of father.....

\$241

CONDITION—Family numbers 6—parents and four children, two boys and two girls, aged four, eight, ten and twelve years. Two of them attend the public school regularly. Family live in their own house, which contains only 2 rooms, which are poorly furnished, with no carpets on the floors. They find it very difficult to live, and in fact exceed their income. They have seen better times. Father only had twenty-nine weeks' work last year, and his children are too young to render any material assistance as yet. Father belongs to trades union.

FOOD—Breakfast—Bread, sausage and coffee.

Dinner—Bread, meat and potatoes.

Supper—Bread, butter and coffee.

COST OF LIVING—

| | |
|-----------------------|-------|
| Fuel | \$20 |
| Meat | 75 |
| Groceries | 88 |
| Clothing | 40 |
| Boots and shoes | 20 |
| Dry goods | 15 |
| Trades union | 3 |
| Sickness | 15 |
| Sundries | 5 |
| Total | \$281 |

No. 115.

COAL MINER.

German.

EARNINGS—Of father.....

\$250

CONDITION—Family numbers 7—parents and five children, three girls and two boys, aged from four to fourteen years. Four of them attend school. Father owns a home containing 2 rooms in which they are all crowded. House is ordinarily furnished, have no carpets on the floor. Own a sewing machine. The father insisted that the cost of living would not exceed the figures given in this statement. They live very economically. Father carries some life insurance, and belongs to trades union. Had very little sickness in the family, and wastes no money.

FOOD—Breakfast, Dinner, Supper—Ordinary food.

COST OF LIVING—

| | |
|--------------------------|-------|
| Fuel | \$16 |
| Meat | 72 |
| Groceries | 100 |
| Clothing | 25 |
| Boots and shoes | 25 |
| Dry goods | 10 |
| Books, papers, etc | 2 |
| Life insurance | 12 |
| Trades unions | 3 |
| Sickness | 10 |
| Sundries | 5 |
| Total | \$280 |

| No. 116. | COAL-MINER. | American. |
|---------------------------------|-------------|-----------|
| EARNINGS —Of father..... | | \$250 |
| Of son—aged 19 years..... | | 250 |
| Total..... | | \$500 |

CONDITION—Family numbers 5—parents and four children, aged ten, twelve, fourteen and nineteen years. Two of the children attend public school, and the elder boy is at work with his father in the mine, and receives the same pay per week. Family occupy a house containing two rooms, for which a payment per month of \$6 is made for rent. House is poorly furnished, no carpets or sewing machine. House is in a barren lot, no trees or shrubbery, and in fact is a good sample of the homes the majority of coal-miners about him occupy. Father belongs to trades union.

FOOD—*Breakfast*—Bread, sausage and coffee.
Dinner—Meat, bread, coffee and vegetables.
Supper—Bread, coffee and sausage.

| COST OF LIVING— | | |
|-------------------------|--|-------|
| Rent..... | | \$72 |
| Fuel..... | | 25 |
| Meat..... | | 100 |
| Groceries..... | | 150 |
| Clothing..... | | 30 |
| Boots and shoes..... | | 20 |
| Dry goods..... | | 20 |
| Books, papers, etc..... | | 2 |
| Trades unions..... | | 3 |
| Sickness..... | | 25 |
| Sundries..... | | 45 |
| Total..... | | \$492 |

| No. 117. | COAL-MINER. | English. |
|------------------------------------|-------------|----------|
| EARNINGS —Of father..... | | \$250 |
| Of son nineteen years of age..... | | 250 |
| Of son seventeen years of age..... | | 120 |
| Total..... | | \$620 |

CONDITION—Family numbers 8—husband, wife and six children, five boys and one girl, aged ten, twelve, fourteen, seventeen and girl and boy of nineteen, who are twins. Three of the children attend school, and two of them are at work. The eldest son receives the same wages \$8.37 per week as his father, the other son \$4 per week. Family occupy a house containing 4 rooms, for which they pay \$9 per month rent. House is moderately furnished. Have no carpets or sewing machine. Family of ordinary intelligence. Husband belongs to trades union.

FOOD—*Breakfast*—Bread, meat and coffee.
Dinner—Meat, bread, butter and vegetables.
Supper—Bread, coffee and sausage.

| COST OF LIVING— | | |
|-------------------------|--|-------|
| Rent..... | | \$118 |
| Fuel..... | | 25 |
| Meat..... | | 100 |
| Groceries..... | | 150 |
| Clothing..... | | 65 |
| Boots and shoes..... | | 40 |
| Dry goods..... | | 30 |
| Books, papers, etc..... | | 5 |
| Trades unions..... | | 6 |
| Sickness..... | | 25 |
| Sundries..... | | 25 |
| Total..... | | \$589 |

| No. 118. | COAL-MINER. | English. |
|---------------------------------|-------------|----------|
| EARNINGS —Of father..... | | \$250 |

CONDITION—Family numbers 3—parents and one two-year-old girl. They occupy an ordinary house, containing 2 rooms, and pay a rental of \$6 per month for it. House is very poorly furnished, no carpets, and in fact have nothing except the bare necessities of life. Family living beyond their means. Father complains of the low wages, the average being \$8.37 per week, and was only at work thirty weeks of the past year. Says miners formerly received higher wages. He run behind in his expenses last year. He belongs to trades union.

FOOD—*Breakfast*—Bread, coffee and sausage.
Dinner—Meat, vegetables and bread.
Supper—Meat, bread and coffee.

| COST OF LIVING— | | |
|----------------------|------|---------------------------|
| Rent..... | \$72 | Dry goods..... \$10 |
| Fuel..... | 25 | Books, papers, etc..... 2 |
| Meat..... | 50 | Trades unions..... 3 |
| Groceries..... | 85 | Sickness..... 10 |
| Clothing..... | 20 | Sundries..... 30 |
| Boots and shoes..... | 10 | Total..... |
| | | \$317 |

| No. 119. | COAL MINER. | Scotch. |
|---|-------------|--------------|
| EARNINGS—Of husband | | |
| | | \$203 |
| CONDITION— Family numbers 2—husband and wife. They occupy a miserable house of 2 rooms, and pay rent for same at the rate of \$5 per month. House is very poorly furnished, no carpets on the floors, and is unhealthy and very unattractive, as are the surroundings. Have no sewing machine. Husband worked only twenty-nine weeks of the past year, and received only an average of \$7 per week for his labor. By practicing the utmost economy they managed to live almost within their means. Husband belongs to trades union. | | |
| COST OF LIVING— | | |
| Rent..... | \$60 | |
| Fuel..... | 15 | |
| Meat..... | 30 | |
| Groceries..... | 60 | |
| Clothing..... | 10 | |
| Boots and shoes..... | 7 | |
| Dry goods..... | 10 | |
| Trades unions..... | 3 | |
| Sundries..... | 10 | |
| Total..... | | \$205 |

| No. 120. | COAL MINER. | Scotch. |
|--|-------------|--------------|
| EARNINGS—Of husband | | |
| | | \$233 |
| CONDITION— Family of 2—husband and wife. Live in house containing 2 rooms, for which they pay \$5 per month rent. House kept neat, but poorly furnished. Have no carpets on the floors. One sewing machine, which the wife paid for by sewing. Surroundings very unattractive. Husband only secured work during twenty-eight weeks of the year, and received an average of \$8.33 per week for his labor. He belongs to a trades union. Although practicing the utmost economy they could not keep out of debt. | | |
| FOOD—Breakfast— Bread, coffee and sausage. Dinner— Bread, meat and vegetables. Supper— Bread, coffee and sausage. | | |
| COST OF LIVING— | | |
| Rent..... | \$60 | |
| Fuel..... | 20 | |
| Meat..... | 50 | |
| Groceries..... | 75 | |
| Clothing..... | 15 | |
| Boots and shoes..... | 9 | |
| Dry goods..... | 20 | |
| Books, papers, etc..... | 2 | |
| Trades unions..... | 3 | |
| Sundries..... | 30 | |
| Total..... | | \$284 |

| No. 121. | COAL MINER. | Scotch. |
|---|-------------|--------------|
| EARNINGS—Of father | | |
| Of son, fifteen years old..... | | \$210 |
| Total..... | | 100 |
| | | \$310 |
| CONDITION— Family numbers 3—parents and one boy fifteen years of age. Family live in house containing 2 rooms, for which they pay rent at the rate of \$5 per month. The house is very poorly furnished; in fact, they have nothing but what they actually need, and are trying very hard to live within their means. Father only had thirty weeks work during the past year, and received but \$7 per week for his labor. What work the son could secure, brought him in \$100, which went for the support of the family, or they would have been considerably in debt. Father belongs to trades union. | | |
| FOOD—Breakfast— Sausage, bread and coffee. Dinner— Meat, bread, coffee and vegetables. Supper— Bread, coffee and meat. | | |
| COST OF LIVING— | | |
| Rent..... | \$60 | |
| Fuel..... | 20 | |
| Meat..... | 75 | |
| Groceries..... | 100 | |
| Clothing..... | 25 | |
| Boots and shoes..... | 10 | |
| Dry goods..... | 10 | |
| Trades unions..... | 3 | |
| Sundries..... | 5 | |
| Total..... | | \$308 |

No. 122.

COAL MINER.

Scotch.

EARNINGS—Of father..... \$478

CONDITION—Family numbers 7—father, mother and five children, three girls and two boys, aged from four to fourteen. Two of the children attend school regularly. Family occupy house containing 2 rooms, which is furnished scantily. They pay \$4 per month rent for the house. Family are generally healthy. Father worked forty-two weeks last year at an average of \$1.80 per day, and made \$5 outside of the mine doing odd jobs. He has worked outside and inside the mines. Has not saved any money, and says he never expects to as a coal miner. He does not belong to trades union.

Food—Breakfast—Bread, butter, coffee and sometimes meat.*Dinner*—Bread, butter, meat, pie, cake and tea.*Supper*—Potatoes, meat, soup, pudding, bread and butter.**COST OF LIVING—**

| | |
|--|-------|
| Rent..... | \$48 |
| Fuel..... | 9 |
| Meat..... | 96 |
| Groceries..... | 240 |
| Clothing, boots and shoes and dry goods..... | 60 |
| Books, papers, etc..... | 10 |
| Sickness..... | 3 |
| Sundries..... | 5 |
| Total..... | \$471 |

No. 123.

COAL MINER.

Scotch.

EARNINGS—Of father..... \$540

CONDITION—Family numbers 5—parents and three children, all boys, aged two to five and six years. One of the children attends public school. They live in a house containing 3 rooms, and pay \$4 per month rent for the same. The house is fairly furnished and comfortable. Have had quite a good deal of sickness in the family during the past year, still, the father considers he did very well. He is a hard worker and had "entry" work part of the time. He worked forty-five weeks of the year and received an average of \$2 per day for eleven hours each day during winter and summer.

Food—Breakfast—Potatoes, bread and butter, sometimes meat.*Dinner*—Bread, butter, meat and pie.*Supper*—Bread, butter, potatoes and meat, pie and fruit occasionally.**COST OF LIVING—**

| | |
|-------------------------|-------|
| Rent..... | \$48 |
| Fuel..... | 8 |
| Meat..... | 60 |
| Groceries..... | 180 |
| Clothing..... | 40 |
| Boots and shoes..... | 25 |
| Dry goods..... | 50 |
| Books, papers, etc..... | 5 |
| Sickness..... | 40 |
| Total..... | \$456 |

No. 124.

COAL MINER.

Scotch.

EARNINGS—Of father..... \$630

CONDITION—Family numbers 5—parents and three children, from five to thirteen years of age. They all attend school. Family live in house, which they own, and which contains 3 rooms well furnished, healthy location, and comfortably situated. Father has forty-two weeks' work at "driving entry" and worked steady during that time, and received about \$2.50 per day for ten hours work. Family are healthy. Father belongs to a "Friendly Society" but to no union or trades organization.

Food—Breakfast—Bread, butter, meat and coffee.*Dinner*—Bread, butter, meat and cheese.*Supper*—Potatoes, meat, vegetables, pudding and tea.**COST OF LIVING—**

| | |
|---------------------------------|-------|
| Fuel..... | \$10 |
| Meat..... | 60 |
| Groceries..... | 360 |
| Clothing..... | 60 |
| Boots, shoes and dry goods..... | 30 |
| Books, papers, etc..... | 5 |
| Sickness..... | 5 |
| Sundries..... | 10 |
| Total..... | \$540 |

| No. 125. | COAL MINER. | Scotch. |
|---|-------------|---------|
| EARNINGS —Of father..... | | |
| Of son..... | | \$400 |
| Total..... | | 60 |
| | | |
| CONDITION —Family numbers 7—parents and five children, two girls and three boys, aged from six to fifteen years. Family occupy rented house containing 8 rooms, for which they pay \$5 per month. House is pleasantly furnished and family quite healthy. Three of the children attend school. During part of the year past they had table boarders, but the expense of keeping them and the income derived therefrom is not considered in this statement. From his earnings and cost of living it will be seen that he apparently ran behind, but the amount paid by the boarders enabled him to come out about even. He thinks much more of this country than of Scotland. | | |
| | | |
| FOOD — <i>Breakfast</i> —Bread, butter, meat and tea. | | |
| <i>Dinner</i> —Bread, butter, meat and tea. | | |
| <i>Supper</i> —Potatoes, meat, butter, bread and dessert. | | |
| | | |
| COST OF LIVING — | | |
| Rent..... | | \$60 |
| Fuel..... | | 9 |
| Meat..... | | 80 |
| Groceries..... | | 320 |
| Boots and shoes..... | | 50 |
| Books, papers, etc..... | | 10 |
| Sickness..... | | 8 |
| Sundries..... | | 25 |
| Total..... | | \$557 |

| No. 126. | COAL MINER. | Scotch. |
|--|-------------|-----------------------------|
| EARNINGS —Of father..... | | |
| | | |
| CONDITION —Family numbers 6—parents and three children, all girls, aged one, two and four years; too young to go to school. Family live in tenement of 3 rooms for which monthly payments at the rate of \$6 are made. One room is carpeted, three rooms are comfortably but plainly furnished. Wife has sewing machine. Family are healthy having had no sickness during past year. Father worked only 32 weeks during the year, at about \$1.50 per day, but was fortunate enough to secure outside work when the mines were not being worked, or he would not have been able to pay half the family expenses; as it is he is about \$40 in debt. | | |
| | | |
| FOOD — <i>Breakfast</i> —Bread, butter, sometimes a little meat, eggs and coffee. | | |
| <i>Dinner</i> —Same as breakfast. | | |
| <i>Supper</i> —Potatoes, sometimes meat, bread, butter, pastry and fruit. | | |
| | | |
| COST OF LIVING — | | |
| Rent..... | \$72 | Books, papers, etc..... \$6 |
| Fuel..... | 12 | Trades union..... 3 |
| Meat and groceries..... | 280 | Sundries..... 6 |
| Clothing, boots and shoes and dry goods..... | 20 | Total..... |
| | | |
| | | \$399 |

| No. 127. | COAL MINER. | Irish. |
|---|-------------|------------------------------|
| EARNINGS —Of father..... | | |
| | | |
| CONDITION —Family numbers 6—father, mother and four children, one boy and three girls aged from one to seven years; two of them go to school. Father owns a comfortable house of seven rooms, nicely furnished, and carpets on all the floors, pictures, mottoes, etc., on the walls. Father is a sober and industrious man, and worked all that he had opportunity to, saved some money in past years and invested in property, now valued at about \$5,000, from which he realizes enough to pay debts as they become due. He intends giving his children a college education, and have them do something besides coal mining which he will quit soon himself. Family members of Church of Rome. | | |
| | | |
| FOOD — <i>Breakfast</i> —Bread, butter and tea. | | |
| <i>Dinner</i> —Bread, butter, meat, pie and tea. | | |
| <i>Supper</i> —Vegetables, meat, bread, butter, fruits and tea. | | |
| | | |
| COST OF LIVING — | | |
| Fuel..... | \$12 | Books, papers, etc..... \$10 |
| Meat..... | 60 | Life insurance..... 28 |
| Groceries..... | 110 | Sickness..... 40 |
| Clothing..... | 60 | Sundries..... 20 |
| Boots and shoes..... | 30 | Total..... |
| Dry goods..... | 36 | |
| | | |
| | | \$406 |

CONDITION OF FAMILIES.

401

No. 128.

COAL MINER.

Irish.

EARNINGS—Of father..... \$360

CONDITION—Family numbers 4—parents and two children, both girls, aged one and six years. Father owns a house containing 2 rooms, which are barely furnished, but are kept clean and as comfortable as his circumstances will permit of. He was once in somewhat better shape, but owing to an 8 months' lock-out at Braddwood, he got behind, and finds it difficult to catch up again. He is a sober, industrious and economical man. Wastes nothing in drink or extravagance. He belongs to a benevolent society and to trades union. Thinks laboring-men's prospects are having a downward tendency.

FOOD—Breakfast—Bread, butter, meat and coffee.

Dinner—Same.

Supper—Vegetables, meat, soup and tea.

COST OF LIVING—

| | |
|---------------------------------|---------|
| Fuel..... | \$10 00 |
| Meat..... | 60 00 |
| Groceries..... | 210 00 |
| Clothing..... | 40 00 |
| Boots, shoes and dry goods..... | 30 00 |
| Books, papers, etc..... | 4 00 |
| Trades unions..... | 3 50 |
| Sundries..... | 9 50 |
| Total..... | \$367 |

No. 129.

COAL MINER.

Irish.

EARNINGS—Of father..... \$368

Of son, seventeen years of age..... 368

Of son, fourteen years of age..... 172

Total..... \$908

CONDITION—Family numbers 9—parents and seven children, five boys and two girls, their ages ranging from two to seventeen years. Three of these attend school, and the two oldest boys work in the mines. Family occupy a house containing 3 rooms, with an addition of a shanty, for which they pay \$5 per month rent. Father is an industrious and hard-working man, but only had thirty weeks work during the year. He is a leader among his class, is a great reader, belongs to temperance society, life insurance society, and trades union. Family healthy, and members of a church. They work half an acre of land, and raise vegetables enough for family use. They are making payments on a lot, sewing machine and back debts.

FOOD—Breakfast—Bread, butter, meat and coffee.

Dinner—Bread, butter, cheese or meat and tea.

Supper—Meat, potatoes, vegetables, bread, butter, pie and tea.

COST OF LIVING—

| | |
|---------------------------------|-------|
| Rent..... | \$60 |
| Fuel..... | 15 |
| Meat..... | 120 |
| Groceries..... | 360 |
| Clothing..... | 170 |
| Boots, shoes and dry goods..... | 63 |
| Books, papers, etc..... | 8 |
| Life Insurance..... | 30 |
| Trades unions..... | 5 |
| Sickness..... | 4 |
| Sundries..... | 63 |
| Total..... | \$898 |

No. 130.

COAL MINER.

Irish.

EARNINGS—Of father..... \$420

Of son, twenty-one years of age..... 420

Of son, eighteen years of age..... 420

Of son, sixteen years of age..... 150

Total..... \$1,410

CONDITION—Family numbers 6—parents and four children, three boys and one girl. The girl attends school, and the three boys are working in the mine. Father owns a house of six rooms, which is clean and very comfortably furnished. Family temperate, and members of a church, which they attend with regularity. They have an acre of ground, which they work in summer, and raise vegetables for their consumption. They have their house about paid for, payments being made in installments of \$240 per year. Father belongs to mutual assessment association and to trades union.

FOOD—Breakfast—Steak, bread, butter, potatoes, bacon and coffee.

Dinner—Bread, butter, meat, cheese, pie and tea.

Supper—Meat, potatoes, bread, butter, puddings, pie and coffee.

COST OF LIVING—

| | | | |
|---------------------------------|-------|-------------------------|---------|
| Rent..... | \$240 | Books, papers, etc..... | \$15 |
| Fuel..... | 10 | Life Insurance..... | 18 |
| Meat..... | 200 | Trades unions..... | 3 |
| Groceries..... | 700 | Sickness..... | 4 |
| Clothing..... | 80 | Sundries..... | 75 |
| Boots, shoes and dry goods..... | 70 | Total..... | \$1,415 |

| No. 131. | | COAL MINER. | German. |
|--|--|-------------|---------|
| EARNINGS—Of father..... | | | \$200 |
| <p>CONDITION—Family numbers 6—parents and four children, two boys and two girls, aged two, four, nine and eleven years. Two of them attend school. Family occupy a house containing 3 rooms, for which they pay \$60 per annum. Father works all he can, and only receives \$1 per day for his labor. He has only been in this country 2½ years, and is anxious to get back to Germany. The house is miserably furnished, and is a wretched affair in itself. They have a few broken chairs and benches and a bedstead. Father is a shoemaker by trade, and does some cobbling which helps a little toward supporting his family. He receives the lowest wages in the shaft.</p> | | | |
| <p>FOOD—<i>Breakfast</i>—Bread and coffee. <i>Dinner</i>—Bread, meat and coffee. <i>Supper</i>—Bread, meat, potatoes and coffee.</p> | | | |
| COST OF LIVING— | | | |
| Rent..... | | \$60 | |
| Meat..... | | 36 | |
| Groceries..... | | 84 | |
| Clothing..... | | 12 | |
| Boots and shoes and dry goods..... | | 15 | |
| Sickness..... | | 1 | |
| Sundries..... | | 20 | |
| Total..... | | | \$228 |

| No. 132. | | ENGINEER (LOCOMOTIVE). | American. |
|--|--|------------------------|-----------|
| EARNINGS—Of father..... | | | \$1,277 |
| <p>CONDITION—Family numbers 4—parents and two children, one girl and one boy, aged thirteen and fifteen years, and both attend school regularly. Family live in a good house containing 7 rooms, for which they pay rental of \$11 per month. House is in healthy locality, surroundings pleasant, and garden full of flowers during summer. General appearance of family neat and clean. House is well furnished; carpets on the floors. Have a piano and sewing machine. Family intelligent, and go to church, and dress well. Father carries some life insurance.</p> | | | |
| <p>FOOD—<i>Breakfast</i>—Bread, coffee, fruits, vegetables and meat. <i>Dinner</i>—Bread, meat, vegetables, fruits and pastries. <i>Supper</i>—Bread, coffee, cold meats and fruits.</p> | | | |
| COST OF LIVING— | | | |
| Rent..... | | \$132 | |
| Fuel..... | | 36 | |
| Meat..... | | 91 | |
| Groceries..... | | 150 | |
| Clothing..... | | 75 | |
| Boots and shoes..... | | 58 | |
| Dry goods..... | | 100 | |
| Books, papers, etc..... | | 12 | |
| Life insurance..... | | 42 | |
| Sickness..... | | 50 | |
| Sundries..... | | 50 | |
| Total..... | | | \$826 |

| No. 133. | | FITTER IN CORN PLANTER WORKS. | American. |
|--|--|-------------------------------|-----------|
| EARNINGS—Of father..... | | | \$648 |
| <p>CONDITION—Family numbers 3—parents and a nine-year-old boy, who attends school. Family occupy a small comfortable house containing 4 rooms, which they own, but it is mortgaged for one-third its value. Home is in pleasant and healthy location, with flower garden. Home is neatly furnished with carpets on all floors but the kitchen. Family intelligent and dress well, and are very good representatives of the working class of people. Father out of work at present. He worked 36 weeks of the last year at piece work, and received an average of \$3 per day for his labor. He carries some life insurance and belongs to trades organization.</p> | | | |
| <p>FOOD—<i>Breakfast</i>—Bread, butter, eggs and coffee. <i>Dinner</i>—Bread, butter, meat, vegetables, pastry and tea. <i>Supper</i>—Bread, butter, sauce, cake and tea.</p> | | | |
| COST OF LIVING— | | | |
| Interest, etc..... | | \$140 | |
| Fuel..... | | 20 | |
| Meat..... | | 52 | |
| Groceries..... | | 175 | |
| Clothing..... | | 40 | |
| Boots and shoes..... | | 12 | |
| Dry goods..... | | 20 | |
| Books, papers, etc..... | | 12 | |
| Life insurance..... | | 21 | |
| Trades unions..... | | 3 | |
| Sundries..... | | 16 | |
| Total..... | | | \$511 |

No. 134.

HEATER (BAR MILL).

Irish.

EARNINGS—Of father..... \$1.776

CONDITION—Family numbers 5—parents and three children, two girls and one boy, aged four, six and eight years. Two of them attend school. Father owns a house of 4 rooms, which is comfortable furnished. Have carpets in all rooms but the kitchen. Have sewing machine. House in healthy locality; surroundings ordinary. Family intelligent, and live comfortably but economically. Father receives \$8 per day for his work, and saves considerable money for a working man. Surplus money is invested in property.

FOOD—Breakfast—Bread, fruits, meat, coffee and butter.

Dinner—Meat, bread, vegetables and butter.

Supper—Meat, coffee, eggs and butter.

COST OF LIVING—

| | |
|-------------------------|-------|
| Fuel..... | \$45 |
| Meat..... | 115 |
| Groceries..... | 195 |
| Clothing..... | 45 |
| Boots and shoes..... | 30 |
| Dry goods..... | 50 |
| Books, papers, etc..... | 8 |
| Sickness..... | 25 |
| Sundries..... | 50 |
| Total..... | \$563 |

No. 135.

HEATER (BAR MILL).

English.

EARNINGS—Of father..... \$1.332
 Of son, aged sixteen years..... 222
 Total..... \$1,554

CONDITION—Family numbers 5—parents and three children, two girls and one boy, aged respectively twelve, sixteen and eighteen years; two of them attend school; the other at work at \$1 per day. They occupy house containing 5 rooms, and pay for it \$15 per month. House is well furnished; carpets on the floors. Own sewing machine. House is in healthy locality. Family is comparatively intelligent; live and dress well, but not extravagantly. Father receives \$6 per day for his work, and saves some money. He had but thirty-seven weeks' work during the year.

FOOD—Breakfast—Bread, butter, meat, potatoes and coffee.

Dinner—Meat, bread, vegetables, coffee and eggs.

Supper—Meat, coffee and bread.

COST OF LIVING—

| | |
|-------------------------|-------|
| Rent..... | \$180 |
| Fuel..... | 50 |
| Meat..... | 150 |
| Groceries..... | 250 |
| Clothing..... | 60 |
| Boots and shoes..... | 30 |
| Dry goods..... | 75 |
| Books, papers, etc..... | 9 |
| Sickness..... | 25 |
| Sundries..... | 75 |
| Total..... | \$904 |

No. 136.

IRON AND STEEL WORKER.

Irish.

EARNINGS—Of father..... \$1.170

CONDITION—Family numbers 6—parents and four children, two boys and two girls, aged one to seven years. Two of the children attend school. Family live in their own house, which contains 12 rooms, which is situated in a pleasant and healthy locality, and which is nicely furnished, with Brussels carpets on all the floors down stairs. They have a sewing machine. Family are intelligent, dress well, and attend church. This family is in good circumstances, and own other good property in the city. Father carries some life insurance and belongs to trades union. His wages average \$6 per day.

FOOD—Breakfast—Bread, butter, meat and coffee.

Dinner—Bread, butter, meat, pie or cake.

Supper—Potatoes, tea, meat, rice or sauce.

COST OF LIVING—

| | | | |
|----------------------|------|-------------------------|-------|
| Fuel..... | \$75 | Books, papers, etc..... | \$10 |
| Meat..... | 120 | Life insurance..... | 12 |
| Groceries..... | 300 | Trades unions..... | 6 |
| Clothing..... | 50 | Sickness..... | 10 |
| Boots and shoes..... | 30 | Sundries..... | 40 |
| Dry goods..... | 25 | Total..... | \$678 |

| No. 127. | IRON AND STEEL WORKER. | English. |
|--|------------------------|----------|
| EARNINGS —Of father..... | | |
| Of son, aged fourteen..... | | \$1,420 |
| Total..... | | 300 |
| | | \$1,720 |
| CONDITION —Family numbers 6—parents and four children; two boys and two girls, aged from seven to sixteen years. Three of them attend school, and the other works in the shop with his father. Family occupy their own house, containing 9 well-furnished rooms, in a pleasant and healthy locality. They have a good vegetable and flower garden. They live well, but not extravagantly, and are saving about a thousand dollars per year. Father receives an average of \$7 per day of twelve hours, for his labor, and works about thirty-four weeks of the year. Belongs to trades union, but carries no life insurance. Had but little sickness during the year. | | |
| FOOD — <i>Breakfast</i> —Bread, butter, meat, eggs and sometimes oysters. | | |
| <i>Dinner</i> —Potatoes, bread, butter, meat, pie, cake or pudding. | | |
| <i>Supper</i> —Bread, butter, meat, rice or sauce, and tea or coffee. | | |
| COST OF LIVING — | | |
| Fuel..... | | \$55 |
| Meat..... | | 100 |
| Groceries..... | | 300 |
| Clothing..... | | 75 |
| Boots and shoes..... | | 50 |
| Dry goods..... | | 50 |
| Books, papers, etc..... | | 10 |
| Trades unions..... | | 6 |
| Sickness..... | | 12 |
| Sundries..... | | 50 |
| Total..... | | \$708 |

| No. 128. | IRON AND STEEL WORKER. | Irish. |
|---|------------------------|--------|
| EARNINGS —Of father..... | | |
| | | \$756 |
| CONDITION —Family numbers 4—parents and two children, one boy and one girl, aged respectively eight and six years. One of the children attends public school. Family occupy their own house, containing 5 rooms; also owns a farm upon which is a mortgage. Has a good garden in summer time, a cow and a horse. Has had considerable sickness in the family, but avoids doctors as much as possible. Family dress well; are clean and neat and intelligent, and attend church. This man is paid by the ton, or piece, and has work for only about forty-two weeks of the year, and averages about \$3 per day. Father belongs to trades unions. | | |
| FOOD — <i>Breakfast</i> —Potatoes, bread, butter, meat and coffee. | | |
| <i>Dinner</i> —Bread, butter, meat, pie or cake. | | |
| <i>Supper</i> —Potatoes, meat, bread, butter and tea. | | |
| COST OF LIVING — | | |
| Fuel..... | | \$40 |
| Meat..... | | 84 |
| Groceries..... | | 200 |
| Clothing..... | | 20 |
| Boots and shoes..... | | 16 |
| Dry goods..... | | 20 |
| Trades unions..... | | 6 |
| Sickness..... | | 10 |
| Sundries..... | | 30 |
| Total..... | | \$426 |

| No. 129. | LABORER. | American. |
|--|----------|-----------|
| EARNINGS —Of father..... | | |
| | | \$370 |
| CONDITION —Family numbers 5—parents and three children, two girls and one boy, aged from six months to six years. Too young to attend school. Family occupy their own house containing four rooms, which are nicely furnished and carpeted. They have a sewing-machine. In summer they have a large garden which helps them considerably. The whole family are very neat and respectable in appearance. Father had only thirty-six weeks' work last year, on account of the rolling-mill shutting down the rest of the year. He carries some life insurance, and belongs to trade organization. | | |
| FOOD — <i>Breakfast</i> —Bread, butter and tea. | | |
| <i>Dinner</i> —Potatoes, salt meat, bread and butter. | | |
| <i>Supper</i> —Bread, butter and coffee. | | |
| COST OF LIVING — | | |
| Fuel..... | | \$39 |
| Meat..... | | 40 |
| Groceries..... | | 175 |
| Clothing..... | | 25 |
| Boots and shoes..... | | 20 |
| Dry goods..... | | 30 |
| Books, papers, etc..... | | 3 |
| Life insurance..... | | 12 |
| Trades unions..... | | 12 |
| Sickness..... | | 10 |
| Sundries..... | | 20 |
| Total..... | | \$386 |

No. 140.

LABORER.

American.

EARNINGS—Of father..... \$400

CONDITION—Family numbers 7—parents and five children; three boys and two girls, ages not given. The family live in a house containing 4 rooms, which they own, with the exception of a mortgage of \$150. The children as well as parents are bright and intelligent; their dress is plain but clean. Rooms are all covered with clean rag carpets. Own a sewing machine. Mother is industrious and ambitious. They have a large and well cultivated garden. They live plainly but comfortably. Father belongs to trades union.

FOOD—Breakfast—Bread, butter and coffee.

Dinner—Potatoes, meat, bread butter and coffee.

Supper—Bread and tea, but frequently corn meal mush.

COST OF LIVING—

| | |
|-------------------------|-------|
| Fuel..... | \$40 |
| Meat..... | 65 |
| Groceries..... | 185 |
| Clothing..... | 50 |
| Boots and shoes..... | 25 |
| Dry goods..... | 17 |
| Books, papers, etc..... | 13 |
| Trades union..... | 4 |
| Sickness..... | 20 |
| Sundries..... | 25 |
| Total..... | \$444 |

No. 141.

LABORER.

Irish.

EARNINGS—Of father..... \$450

CONDITION—Family numbers 5—parents and three children, two girls, and one boy aged from one to five years; too young to go to school yet. Family occupy their own house, which has 6 rooms in it; the house is not very nicely furnished. They have a sewing machine. Family attends church every Sunday. Father received \$2 per day for his work, but the rolling mill in which he worked was closed all but 35 weeks of the year. He managed to secure odd jobs during that time, which helped him to keep out of debt. Carries no life insurance, and belongs to no trades organization.

FOOD—Breakfast—Bread, butter, coffee, occasionally meat.

Dinner—Bread, butter, potatoes and meat.

Supper—Bread, butter, tea or coffee.

COST OF LIVING—

| | |
|-------------------------|-------|
| Fuel..... | \$50 |
| Meat..... | 60 |
| Groceries..... | 200 |
| Boots and shoes..... | 15 |
| Dry goods..... | 10 |
| Books, papers, etc..... | 8 |
| Sickness..... | 10 |
| Sundries..... | 58 |
| Total..... | \$406 |

No. 142.

LABORER.

American.

EARNINGS—Of father..... \$324

CONDITION—Family numbers 5—parents and three children, all boys, aged two, five and nine years respectively. Family occupy a house containing 3 rooms, situated in a very unhealthy locality, miserable surroundings, in the vicinity of a slough. Have a few chairs, bedstead, two poor stoves, but no carpets. Family poorly dressed; father works in saw mill; one cent per hour is retained by his employers on condition that he loses it if he leaves their service before the season closes. Father claims to have lost this 11 cts per day for the year 1891, as he had three of his fingers cut off, and could not work the season out.

FOOD—Breakfast—Bread, butter and coffee.

Dinner—Bread, meat and coffee.

Supper—Bread, butter, coffee and potatoes.

COST OF LIVING—

| | |
|---|-------|
| Rent..... | \$48 |
| Fuel..... | 22 |
| Meat and groceries..... | 220 |
| Clothing, boots, shoes and dry goods..... | 30 |
| Sickness..... | 35 |
| Total..... | \$355 |

| No. 143. | LABORER. | American. |
|--|----------|-----------|
| EARNINGS —Of father | | |
| Of son, aged sixteen | \$234 | |
| Total | 81 | \$315 |
| CONDITION —Family numbers 8—parents and six children, two boys and four girls, aged respectively fifteen, sixteen, fourteen, six, four and two years. Two of the children attend school. Family live in a tenement house of 4 rooms, for which they pay \$8 per month rent. House is in health; location, very poorly furnished, one room carpeted. Family poorly dressed and receive charity. Father and son both out of work at present; say they are in debt for their house rent and it is difficult to keep it paid. Father belongs to trade organization but carries no life insurance. | | |
| FOOD — <i>Breakfast</i> —Bread, butter, potatoes and coffee. | | |
| <i>Dinner</i> —None. | | |
| <i>Supper</i> —Bread, meat, potatoes and tea. | | |
| COST OF LIVING — | | |
| Rent | \$96 | |
| Fuel | 20 | |
| Meat and groceries | 200 | |
| Clothing | 40 | |
| Boots and shoes and dry goods | 32 | |
| Books, papers, etc | 5 | |
| Trades unions | 5 | |
| Sickness | 25 | |
| Total | | \$425 |

| No. 144. | LABORER. | American. |
|---|----------|-----------|
| EARNINGS —Of father | | |
| Of wife, at \$3 per week | \$187 | |
| Total | 150 | \$337 |
| CONDITION —Family numbers 8—parents and six children, two boys and four girls, aged from one to fourteen years. Three of the children attend public schools. Family occupy a miserable old house containing three rooms, for which they pay a rental of \$4 per month. They have no furniture worth anything. The father works but little, children pick up fuel, etc. They have a good garden spot, but do not cultivate it. Family shiftless and improvident, and undoubtedly receive help from some source. Their expenditures exceed their earnings. | | |
| FOOD — <i>Breakfast</i> —Bread, sometimes meat, tea or coffee. | | |
| <i>Dinner</i> —Bread, meat, potatoes and bean-. | | |
| <i>Supper</i> —Bread, molasses, cold meat or butter and tea. | | |
| COST OF LIVING — | | |
| Rent | \$48 | |
| Fuel | 10 | |
| Meat | 75 | |
| Groceries | 175 | |
| Clothing | 25 | |
| Boots and shoes | 30 | |
| Dry goods | 15 | |
| Sickness | 10 | |
| Total | | \$398 |

| No. 145. | LABORER. | American. |
|---|----------|-----------|
| EARNINGS —Of father | | |
| Of son, fourteen years of age | \$50 | |
| Total | 25 | \$75 |
| CONDITION —Family numbers 6—parents and four children, two boys and two girls, aged respectively six and fourteen, and girl twins of ten years. Father works only at odd jobs, from two to eight hours in summer. Is not able to do hard work and does not work during the cold months of the year. They live in a two room house, which is owned by friends of the family, and for which no rent is charged them. The house is in good locality. Two of the children attend school, and one of the boys earns a little money in different ways. Their expenses, amounting to about \$150, is mostly furnished by charity. | | |
| FOOD — <i>Breakfast</i> —Corned beef and potatoes, occasionally coffee. | | |
| <i>Dinner</i> —Bread, sometimes meat and fruit. | | |
| <i>Supper</i> —Corn bread and salt, and oftener nothing. | | |
| COST OF LIVING — | | |
| Fuel | \$20 | |
| Meat and groceries | 100 | |
| Clothing, boots and shoes and dry goods | 30 | |
| Total | | \$150 |

No. 146.

LABORER.

French.

| | | |
|----------------------------------|-------|-------|
| EARNINGS —Of father | \$505 | |
| Of son, nineteen years old | 200 | |
| Of son, fourteen years old | 100 | |
| Total | | \$805 |

CONDITION—Family numbers 10—parents and eight children, three boys and five girls, aged from four to nineteen. Four of them attend school, and two of the boys at work. Family live in their own house, which contains 5 rooms, with down stairs floors carpeted. The entire family present a comfortable appearance; own a sewing machine; children clean and bright looking; mother industrious and economical. They all go to church, and children attend Sunday school. They keep a cow and raise pigs, which they put up for winter meat. They have to struggle hard to keep within their income.

FOOD—*Breakfast*—Bread and coffee, occasionally meat.

Dinner—Potatoes, bread, meat and tea.

Supper—Bread, tea and corn meal mush.

COST OF LIVING—

| | | |
|--------------------------|------|-------|
| Fuel | \$25 | |
| Meat | 120 | |
| Groceries | 360 | |
| Clothing | 100 | |
| Boots and shoes | 50 | |
| Dry goods | 75 | |
| Books, papers, etc. | 25 | |
| Sickness | 30 | |
| Sundries | 20 | |
| Total | | \$805 |

No. 147.

LABORER (R. R.)

Irish.

| | | |
|----------------------------------|-------|-------|
| EARNINGS —Of father | \$584 | |
| Of son, sixteen years old | 365 | |
| Total | | \$949 |

CONDITION—Family numbers 10—father, mother and eight children, four of whom attend school. The children are four girls and four boys, aged from three months to eighteen years. Father owns a house containing 3 rooms, which is in healthy locality; fairly furnished; carpets on two rooms; surroundings pleasant. Owns sewing machine. Family intelligent and attend church. Have scarcely any sickness. Father receives \$1.60 for his labor per day of ten hours the year round. With the help of the son, they are enabled to live comfortably and within their means.

FOOD—*Breakfast*—Meat, coffee and bread.

Dinner—Meat, vegetables, bread and coffee.

Supper—Bread, coffee and fruits.

COST OF LIVING—

| | | |
|--------------------------|------|-------|
| Fuel | \$20 | |
| Meat | 183 | |
| Groceries | 300 | |
| Clothing | 100 | |
| Boots and shoes | 40 | |
| Dry goods | 100 | |
| Books, papers, etc. | 5 | |
| Sickness | 10 | |
| Sundries | 10 | |
| Total | | \$828 |

No. 148.

MACHINIST.

American.

| | | |
|-----------------------------------|-------|--|
| EARNINGS —Of husband | \$882 | |
|-----------------------------------|-------|--|

CONDITION—Family numbers 2—husband and wife. Own a house containing 6 rooms, which are comfortably furnished; have carpets on the floor; have sewing machine and organ. House is well kept, neat and tidy; is in good locality; pleasant surroundings; flowers in yard in summer. Family go to church; are intelligent beyond their class. They live well, dress well, and do not waste any money. They live for less than half of husband's earnings, and invest what they save in real estate. Husband receives an average of \$2.45 per day of nine hours in winter and ten in summer.

FOOD—*Breakfast*—Bread, coffee, meat and potatoes.

Dinner—Meats, vegetables, bread, coffee and pastries.

Supper—Bread, coffee, meats, fruits and vegetables.

COST OF LIVING—

| | | | |
|-----------------------|------|--------------------------|-------|
| Fuel | \$20 | Dry goods | \$80 |
| Meat | 25 | Books, papers, etc. | 30 |
| Groceries | 120 | Sundries | 30 |
| Clothing | 100 | Total | |
| Boots and shoes | 25 | | \$430 |

| No. 149. | MACHINIST (R. R.) | American. |
|--|-------------------|-----------|
| EARNINGS—Of father. | | |
| Of son, aged twenty years. | \$912 | |
| Total | 648 | \$1,560 |
| CONDITION— Family numbers 6—parents and four children, three boys and one girl, aged from twelve to twenty years. Two of the children attend public school. Family occupy house containing 5 rooms, for which they pay rental of \$10 per month. House is in healthy locality, surroundings pleasant, and there is a flower garden. Home is generally well furnished, carpets on all floors. Have piano and sewing machine. Family intelligent and go to church. Father carries some life insurance. Have had considerable sickness in family during past year. Family save about \$500 a year. | | |
| Food—Breakfast— Meat, bread, coffee and potatoes. | | |
| Dinner— Meat, bread, vegetables and coffee. | | |
| Supper— Meat, bread and tea. | | |
| COST OF LIVING— | | |
| Rent | \$120 | |
| Fuel | 25 | |
| Meat | 255 | |
| Groceries | 360 | |
| Clothing | 150 | |
| Dry goods | 25 | |
| Books, papers, etc. | 10 | |
| Life insurance | 17 | |
| Sickness | 50 | |
| Sundries | 40 | |
| Total | | \$1,052 |

| No. 150. | MOULDER. | American. |
|--|----------|-----------|
| EARNINGS—Of husband. | | \$624 |
| CONDITION— Family numbers 3—husband, wife and wife's mother. They have no children. Occupy a house of 4 rooms, which they own. House situated in unhealthy locality, surroundings unattractive, and the house but fairly furnished. Have no musical instrument, but own sewing machine. Family of some intelligence. Father had work the entire year, and received an average of \$12 per week for his labor. He belongs to trades union, but carries no life insurance. Have had some sickness, but save a little money. | | |
| Food—Breakfast— Meat, bread, butter and coffee. | | |
| Dinner— Meat, vegetables, bread, butter and tea. | | |
| Supper— Meat, vegetables, tea, cakes and bread. | | |
| COST OF LIVING— | | |
| Fuel | \$22 | |
| Meat | 73 | |
| Groceries | 302 | |
| Clothing | 40 | |
| Boots and shoes | 25 | |
| Dry goods | 25 | |
| Books, papers, etc. | 10 | |
| Trades unions | 20 | |
| Sickness | 30 | |
| Sundries | 25 | |
| Total | | \$572 |

| No. 151. | MOULDER. | German. |
|---|----------|---------|
| EARNINGS—Of father. | | \$1,092 |
| CONDITION— Family numbers 3—parents and one young child. They live in a 4 room tenement, which is nicely and comfortably furnished, and for which they pay \$3 per month rent. Family live well and comfortably, but not extravagantly, and are moderately intelligent. Father worked 52 weeks of the year, and 10 hours for a day's work, for which he received \$21 per week. He belongs to trades union, but carries no life insurance. Had but little sickness in his family, and they are pretty well satisfied with their lot in life. | | |
| Food—Breakfast— Coffee, bread, butter and steak. | | |
| Dinner— Soup, meat, vegetables, bread and coffee. | | |
| Supper— Tea, cold meat and potatoes | | |
| COST OF LIVING— | | |
| Rent | \$96 | |
| Fuel | 20 | |
| Meat | 90 | |
| Groceries | 140 | |
| Clothing | 95 | |
| Boots and shoes | 20 | |
| Dry goods | 15 | |
| Books, papers, etc. | 16 | |
| Trades unions | 12 | |
| Sickness | 15 | |
| Sundries | 60 | |
| Total | | \$579 |

| No. 152. | NAILER. | English. | |
|--|---------|----------|---------|
| EARNINGS —Of father..... | | \$1,080 | |
| Of son, eighteen years of age..... | | 918 | |
| Total..... | | | \$1,998 |
| CONDITION —Family numbers 6—parents and four children, three boys and one girl, aged from ten to eighteen years. Two of the children attend public school, and one of them is at work. Family live in ordinarily well furnished house, containing 6 rooms, for which they pay rental at the rate of \$16 per month. House is in healthy locality, furniture is substantial, and neat carpets are on the floors. Have sewing machine and musical instrument. Family fairly intelligent, and attend church. They live comfortably, but economically. Father receives \$5 per day for his labor, and the son \$1.50, and they save some money. | | | |
| FOOD — <i>Breakfast</i> —Bread, coffee, meat and potatoes. | | | |
| <i>Dinner</i> —Salt and fresh meats, vegetables and pastries. | | | |
| <i>Supper</i> —Meats, coffee, cakes, bread and potatoes. | | | |
| COST OF LIVING — | | | |
| Rent..... | | \$192 | |
| Fuel..... | | 52 | |
| Meat..... | | 104 | |
| Groceries..... | | 200 | |
| Clothing..... | | 200 | |
| Boots, shoes and dry goods..... | | 100 | |
| Books, papers, etc..... | | 10 | |
| Trades unions..... | | 24 | |
| Sickness..... | | 25 | |
| Sundries..... | | 50 | |
| Total..... | | | \$957 |

| No. 153. | NAILER. | English. | |
|--|---------|----------|---------|
| EARNINGS —Of father..... | | | \$1,296 |
| CONDITION —Family numbers 8—parents, mother-in-law and five children, three girls and two boys, aged from four to thirteen years. Three of the children attend school. Family occupy a good, well furnished house, containing 6 rooms, which they rent and pay \$12.50 per month. They have good carpets on the floors, and have a piano and sewing machine. Family live pretty well, but things in general do not have a prepossessing appearance. They are ordinarily intelligent. They save some money, which is laid aside for a rainy day. Father carries some life insurance, and belongs to trades union. He receives about \$40 a week. | | | |
| FOOD — <i>Breakfast</i> —Bread, butter, coffee, potatoes and meat. | | | |
| <i>Dinner</i> —Meat, vegetables, bread, butter and coffee. | | | |
| <i>Supper</i> —Meats, bread, butter, coffee and cake. | | | |
| COST OF LIVING — | | | |
| Rent..... | | \$150 | |
| Fuel..... | | 25 | |
| Meat..... | | 120 | |
| Groceries..... | | 300 | |
| Clothing..... | | 50 | |
| Boots and shoes..... | | 30 | |
| Dry goods..... | | 100 | |
| Books, papers, etc..... | | 20 | |
| Life insurance..... | | 16 | |
| Trades unions..... | | 7 | |
| Sickness..... | | 25 | |
| Sundries..... | | 50 | |
| Total..... | | | \$893 |

| No. 154. | NAILER. | American. | |
|---|---------|-----------|---------|
| EARNINGS —Of husband..... | | | \$1,800 |
| CONDITION —Family numbers 2—husband and wife. They own a well furnished house containing 5 rooms, which are nicely carpeted. Have a sewing machine and piano. They are a very intelligent elderly couple, and attend church regularly. Save about \$1,400 per annum, and invest it mostly in real estate. Husband belongs to trades union, but carries no life insurance. Had no sickness in the family during the year. He works about forty weeks per year, and receives an average of \$45 per week for his labor. They live well, and seem to be perfectly satisfied with their lot in life. | | | |
| FOOD — <i>Breakfast</i> —Bread, meat, coffee and fruit. | | | |
| <i>Dinner</i> —Meat, bread, vegetables and pastries. | | | |
| <i>Supper</i> —Meat, tea, coffee, vegetables and fruits. | | | |
| COST OF LIVING — | | | |
| Fuel..... | | \$25 | |
| Meat..... | | 60 | |
| Groceries..... | | 180 | |
| Clothing..... | | 15 | |
| Boots and shoes..... | | 8 | |
| Dry goods..... | | 50 | |
| Books, papers, etc..... | | 15 | |
| Trades unions..... | | 9 | |
| Sundries..... | | 25 | |
| Total..... | | | \$387 |

No. 155.

NAILER.

American.

EARNINGS—Of father

\$1, 198

CONDITION—Family numbers 6—parents and four children, an infant boy of two weeks, and a boy thirteen years old; and two girls aged nine and eleven years. Three of the children attend public school. Family live in a comfortable house, which contains 4 rooms, ordinarily furnished, for which they pay rental at the rate of \$12 per month. They have carpets on the floor. Own a sewing machine and an organ. Family intelligent, and go to church regularly. Everything in and about the premises looks neat, and in summer they have a nice flower garden. Father receives \$5.50 per day for his labor, belongs to trade union, and carries some life insurance.

FOOD—*Breakfast*—Bread, meat, coffee and potatoes.*Dinner*—Meat, vegetables, pastries and coffee.*Supper*—Meat, coffee, bread, butter and cakes.**COST OF LIVING**—

| | |
|--------------------------|-------|
| Rent | \$144 |
| Fuel | 25 |
| Meat | 120 |
| Groceries | 180 |
| Clothing | 100 |
| Boots and shoes | 50 |
| Dry goods | 50 |
| Books, papers, etc | 15 |
| Life insurance | 16 |
| Trades unions | 6 |
| Sickness | 25 |
| Sundries | 25 |
| Total | \$756 |

No. 156.

PLASTERER.

Irish.

EARNINGS—Of husband

\$731

CONDITION—Family numbers 2—husband and wife. They live in their own house, which contain 8 rooms. The husband receives an average of \$3 25 per day for his work, which is above the general average of wages received by plasterers. He sometimes employs from three to four men during the busy season. He estimates his time worked during the year at 225 days, which is also above the average of men at his trade, which varies in this climate from 155 days in a dull and late season, to 260 in an early and lively season. The work is difficult, and requires unusual skill. He says the majority of the better plasterers are foreigners. Few men of this trade continue at the business after the age of fifty years, especially in the west, on contract work, as the foreman is usually an expert, and requires his men to work rapidly and well. They are generally paid according to their ability to keep up in their work with an unusually good young workman, and those nearing the age of fifty years are compelled to drop out and give room for the younger class of workmen. Apprentices are few, probably for two reasons, viz., the laws of this State do not protect the master, and the majority of young and intelligent men prefer office work to mechanical employment. Those applying for apprenticeships are, as a rule, foreigners, or sons of foreigners. He considers that a good apprentice law, that would protect both the apprentice and the master, would be of great benefit to all concerned. Few, if any of the men who have learned trades in the past few years, are as good workmen as those they learned from, and he thinks the tendency in all trades is to a subdivision of labor, which in the building trade develops an inferior lot of workmen. He also thinks men could and would be better protected in their trades if there was a State or county system licensing good men who should be obliged to prove that they were masters of their trades. He believes that sooner or later some practice of this kind will have to be adopted. He belongs to a trades union, but is a member of a friendly society, and he carries no life insurance. Both husband and wife belong to the church.

FOOD—*Breakfast*—Summer: Buckwheat cakes, potatoes, coffee and meat.

Winter: Bread, butter, coffee, vegetables, ham and eggs or fish.

Dinner—Summer: Roast or boiled meat, soup, coffee and vegetables.

Winter: Beefsteak or mutton, vegetables, tea or coffee.

Supper—Bread, butter, eggs, fruit in season, cake or pastry.**COST OF LIVING**—

| | |
|--------------------------|-------|
| Fuel | \$30 |
| Meat and fish | 90 |
| Groceries | 244 |
| Clothing | 60 |
| Boots and shoes | 18 |
| Dry goods | 40 |
| Books, papers, etc | 28 |
| Church | 20 |
| Society | 12 |
| Sickness | 35 |
| Sundries | 50 |
| Total | \$631 |

No. 157.

ROLLER IN NAIL MILL.

German.

EARNINGS—Of father.....\$864

CONDITION—Family numbers 5—parents and three children, two boys and one girl aged from two to seven years. One of the children attends school. Family live in house containing 3 rooms, which is situated in healthy locality. They pay \$7 per month rent for the house. Have carpets on the floors, furniture only ordinary; own sewing machine; family intelligent. What money they save is put away for future use. Most nail mill men are liable to become dissatisfied, and move from one place to another, and consequently save no money in the long run. Father belongs to trades union, but carries no life insurance. Receives \$1 per day for his work.

FOOD—Breakfast—Beef, vegetables, coffee, bread and butter.

Dinner—Boiled, roast or fried meats and vegetables.

Supper—Cold meats, coffee, tea, bread and cakes.

COST OF LIVING—

| | |
|-------------------------|-------|
| Rent..... | \$84 |
| Fuel..... | 25 |
| Meat..... | 75 |
| Groceries..... | 125 |
| Clothing..... | 50 |
| Boots and shoes..... | 25 |
| Dry goods..... | 25 |
| Books, papers, etc..... | 10 |
| Trades unions..... | 6 |
| Sickness..... | 50 |
| Sundries..... | 50 |
| Total..... | \$525 |

No. 158.

ROLLER BAR MILL.

American.

EARNINGS—Of father.....\$2,200

CONDITION—Family numbers 6—parents and four children, all boys, aged four, six, fifteen and seventeen years. Two of them go to school. Family live in an excellent house, containing 6 rooms, which they own, and is well furnished; carpets on all the floors. Have a piano, and sewing machine. House in healthy locality, and pleasant surroundings. Flowers in yard in summer. Family intelligent, and go to church. Father receives \$10 per day of eleven hours, and works only about 37 weeks in the year, and saves \$1,400. Family live well, but economically. Father carries no life insurance and belongs to no trades union.

FOOD—Breakfast—Bread, meat, coffee, fruit, etc.

Dinner—Bread, meat, coffee, vegetables, etc.

Supper—Meat, eggs, bread and butter.

COST OF LIVING—

| | |
|-------------------------|-------|
| Fuel..... | \$75 |
| Meat..... | 150 |
| Groceries..... | 300 |
| Clothing..... | 75 |
| Boots and shoes..... | 40 |
| Dry goods..... | 50 |
| Books, papers, etc..... | 10 |
| Sickness..... | 25 |
| Sundries..... | 75 |
| Total..... | \$800 |

No. 159.

ROLLER BAR MILL.

American.

EARNINGS—Of father.....\$2,200

CONDITION—Family numbers 5—parents and three children, two boys and one girl, aged four, six and eight years. Do not attend school. Family occupy house containing 3 rooms, well furnished and in healthy locality, but the surroundings are not of the best. Family ordinarily intelligent. Father works eleven hours per day for 37 weeks in the year, and receives \$10 per day for his labor; he saves about \$1,400 per year, which he deposits in the bank. Family live well, but not extravagantly.

FOOD—Breakfast—Bread, meat, eggs, and coffee.

Dinner—Bread, meat, vegetables, fruits and coffee.

Supper—Bread, fruits, coffee and meat.

COST OF LIVING—

| | |
|-------------------------|-------|
| Rent..... | \$120 |
| Fuel..... | 40 |
| Meat..... | 125 |
| Groceries..... | 200 |
| Clothing..... | 55 |
| Boots and shoes..... | 35 |
| Dry goods..... | 60 |
| Books, papers, etc..... | 8 |
| Sickness..... | 50 |
| Sundries..... | 75 |
| Total..... | \$768 |

No. 160.

STONE MASON.

German.

EARNINGS—Of father.....

\$396

CONDITION—Family numbers 6—parents and four children, one boy and three girls, aged from twenty months to ten years. Three of the children attend public schools. Family live in their own house, but it is mortgaged for a little over half its value; good house, containing 6 rooms, in good locality, but very poorly furnished, with but one room carpeted. Own sewing machine. They rent three rooms on second floor. House is kept very clean, and have a nice kitchen garden attached. They are heavily in debt, and afraid of losing their home. Father has had very little work during the past year. He carries life insurance and belongs to trades union.

FOOD—*Breakfast*—Bread, butter, potatoes and coffee.
Dinner—Bread, butter, meat, vegetables and coffee.
Supper—Bread, butter, potatoes and coffee.

COST OF LIVING—

| | |
|--------------------------|-------|
| Interest and taxes | \$85 |
| Fuel | 25 |
| Meat | 52 |
| Groceries | 230 |
| Clothing | 50 |
| Boots and shoes | 30 |
| Dry goods | 35 |
| Books, papers, etc. | 8 |
| Life insurance | 20 |
| Trades unions | 3 |
| Sundries | 15 |
| Total | \$563 |

No. 161.

STONE CUTTER.

English.

EARNINGS—Of father.....

\$624 00

CONDITION—Family numbers 8—parents and six children, three girls and three boys, aged two, four, six, eight, thirteen and fifteen years. Four of the children attend school regularly. Family occupy a house containing 5 rooms, in pleasant location. Not much furniture; rooms carpeted except kitchen. Own a sewing machine, and have flower and vegetable garden. Family dress plainly, attend church, and have very little sickness. Do not save any money. Father is out of work at present. When he enquires for ordinary work, he is told you have a trade and make good wages in summer. Has a deed of his property, but it is mortgaged for half its value. Father carries life insurance and belongs to trades union.

FOOD—*Breakfast*—Bread, butter, meat, potatoes and coffee.
Dinner—Bread, butter, meat, potatoes and coffee.
Supper—Bread, butter, cake and tea.

COST OF LIVING—

| | | | |
|----------------------------|---------|--------------------------|----------|
| Interest, taxes, etc. | \$71 00 | Dry goods | \$40 00 |
| Fuel | 25 00 | Books, papers, etc. | 15 00 |
| Meat | 52 00 | Life insurance | 21 00 |
| Groceries | 250 00 | Trades unions | 3 50 |
| Clothing | 70 00 | Sundries | 20 00 |
| Boots and shoes | 48 00 | Total | \$625 50 |

No. 162.

STONE CUTTER.

American.

EARNINGS—Of father.....

\$609

CONDITION—Family numbers 6—parents and four children, three boys and one girl, aged four, six, seven and nine years. Two of the children attend school. Family occupy a tenement house of 4 rooms, for which they pay a rental of \$9 per month. House is in poor location, with poor surroundings, inconvenient and unhealthy. House is furnished very poorly, and no carpets on the floors. Had considerable sickness and one death in the family, which has kept them in very poor circumstances. Father receives \$3.50 per day for his labor. He carries no life insurance and belongs to no trades organization.

FOOD—*Breakfast*—Bread, butter, meat and coffee.
Dinner—Bread, butter, meat, potatoes and coffee.
Supper—Bread, butter, cake and tea.

COST OF LIVING—

| | |
|--------------------------|-------|
| Rent | \$108 |
| Fuel | 26 |
| Meat and groceries | 236 |
| Clothing | 55 |
| Boots and shoes | 35 |
| Dry goods | 32 |
| Books, papers, etc. | 3 |
| Sickness | 75 |
| Sundries | 30 |
| Total | \$599 |

No. 163.

STONE CUTTER.

American

EARNINGS—Of husband.

\$637

CONDITION—Family numbers 2—husband and wife. They occupy a tenement house of 4 rooms, in a good, healthy location and well furnished, rooms all being well carpeted; surroundings pleasant, and have a flower garden. They pay \$7 per month rent for the house. Family dress well and attend church. Own a sewing machine. Husband carries considerable life insurance, and belongs to trades union. They had some sickness in the family during the past year. Husband works on an average, in summer, nine and a half hours per day, and receives \$3.50 per day. He also worked three weeks at iron-moulding, at \$3.75 per day.

FOOD—*Breakfast*—Bread, butter, meat, pancakes and coffee.

Dinner—Bread, butter, meat, potatoes, pie and coffee.

Supper—Bread, butter, cake, sauce and tea.

COST OF LIVING—

| | |
|-------------------------------|-------|
| Rent | \$84 |
| Fuel | 20 |
| Meat and groceries | 276 |
| Clothing | 60 |
| Boots and shoes and dry goods | 19 |
| Books, papers, etc | 12 |
| Life insurance | 33 |
| Trades unions | 4 |
| Sickness | 20 |
| Sundries | 15 |
| Total | \$534 |

No. 164.

SUPERINTENDENT FLOUR MILLS.

American.

EARNINGS—Of father.

\$1,500

CONDITION—Family numbers 6—parents and four children, three boys and one female infant, aged from eight months to eight years. One of the children attends public school. Family live in a good house which they own, and which contains 8 good rooms, finely furnished, nice carpets, piano and sewing machine. House situated in healthy locality. Family quite intelligent, and attend church regularly. Father receives \$125 per month for his services. He carries some life insurance, and on the whole, they are well situated and in good circumstances.

FOOD—*Breakfast*—Bread, steak, potatoes and fruits.

Dinner—Bread, meat, vegetables, pa-try, etc.

Supper—Bread, butter, meat, coffee or tea.

COST OF LIVING—

| | |
|--------------------|---------|
| Fuel | \$60 |
| Meat | 180 |
| Groceries | 200 |
| Clothing | 75 |
| Boots and shoes | 50 |
| Dry goods | 100 |
| Books, papers, etc | 20 |
| Life insurance | 40 |
| Sickness | 250 |
| Sundries | 100 |
| Total | \$1,075 |

No. 165.

SUPERINTENDENT GLASS WORKS.

American.

EARNINGS—Of father.

\$1,010

Of son, seventeen years old 613 |

Of son, fifteen years old 180 |

Total \$1,803 |

CONDITION—Family numbers 8—parents and six children, three boys, aged eight, sixteen and eighteen years, and three girls, aged one, five and eleven years. Two of the children attend school. Family occupy a comfortable house, containing 7 rooms, for which they pay a rental of \$5 per month. Floors are all carpeted. Have piano and sewing machine. Family intelligent, and attend church regularly. They manage to save but little of their earnings. Father receives \$125 per month, but only worked thirty-six weeks of the past year. He carries no life insurance.

FOOD—*Breakfast*—Bread, meat, coffee and potatoes.

Dinner—Meats, vegetables, coffee and fruits.

Supper—Meat, potatoes, tea and fruits.

COST OF LIVING—

| | | | |
|-----------------|-------|--------------------|---------|
| Rent | \$300 | Dry goods | \$100 |
| Fuel | 40 | Books, papers, etc | 20 |
| Meat | 200 | Sickness | 100 |
| Groceries | 300 | Sundries | 150 |
| Clothing | 125 | Total | \$1,410 |
| Boots and shoes | 75 | | |

| No. 166. | SUPERINTENDENT GAS WORKS. | American. |
|--|---------------------------|-----------|
| EARNINGS—Of father. | | |
| Of son, aged twenty years. | \$1,500 | |
| Total. | 1,020 | \$2,520 |
| CONDITION— Family numbers 6—parents and four children, two boys and two girls, aged eleven, fourteen, seventeen and twenty years. Two of them attend school. Family occupy a rented house of 8 rooms, for which they pay \$37.50 per month. The house is an excellent one, in healthy locality, surroundings very pleasant, and splendidly furnished, with fine carpets on the floors. Have piano and sewing machine. Family more than ordinarily intelligent, attend church and live in first-class style, and are prosperous in every respect. Father carries no life insurance and belongs to no trades union. | | |
| FOOD—Breakfast— Bread, steak, coffee and potatoes. | | |
| <i>Dinner—</i> Bread, coffee, fruits, meats, vegetables and pastries. | | |
| <i>Supper—</i> Bread, meat, coffee, fruits, jellies and pastries. | | |
| COST OF LIVING— | | |
| Rent. | \$450 | |
| Fuel. | 66 | |
| Meat. | 109 | |
| Groceries. | 600 | |
| Clothing. | 250 | |
| Boots and shoes. | 75 | |
| Dry goods. | 2-0 | |
| Books, papers, etc. | 30 | |
| Sickness. | 25 | |
| Sundries. | 100 | |
| Total. | | \$1,949 |

| No. 167. | TEAMSTER. | Irish. |
|---|-----------|---------|
| EARNINGS—Of father. | | |
| Of four children. | \$825 | |
| Total. | 373 | \$1,197 |
| CONDITION— Family numbers 11—parents and nine children, five girls and four boys, aged from four to twenty years. Four of the children attend school regularly, and four of them work at odd jobs and help to support the family. They live in a comfortable house containing 5 rooms, which they own and have recently had repaired. House in good location, one room carpeted; have a sewing machine. Family dress plainly, are clean and intelligent. They all attend church. The mother is afflicted with a cancer, and the physician's services cause a great expense, and were it not for the help of the children they would fall behind in their expenses. | | |
| FOOD—Breakfast— Bread, butter and coffee. | | |
| <i>Dinner—</i> Bread, meat, potatoes and tea. | | |
| <i>Supper—</i> Bread, butter and coffee. | | |
| COST OF LIVING— | | |
| Repairs and taxes. | \$50 | |
| Fuel. | 40 | |
| Meat. | 150 | |
| Groceries. | 420 | |
| Clothing. | 120 | |
| Boots and shoes. | 65 | |
| Dry goods. | 100 | |
| Books, papers, etc. | 15 | |
| Trades unions. | 3 | |
| Sickness. | 250 | |
| Total. | | \$1,213 |

PART III.

STATISTICS OF

COAL PRODUCTION IN ILLINOIS, 1884,

WITH REPORTS OF INSPECTORS ON

The Condition of Mines and Miners.

THE MANUFACTURE OF DRAIN TILE IN ILLINOIS.

THE PULLMAN ENQUIRY, ETC.

THE COAL MINES AND MINERS OF ILLINOIS.

The present report on the coal resources of the State, embracing both the statistics of production, and the details as to the condition of the various mines, constitutes the third annual presentation made by this Bureau of detailed information in regard to this important industry, and is deserving of special attention because it is founded upon the reports of a new corps of inspectors, who have made not only a more thorough canvass and inspection than has ever been made before, but have done so with the intelligence of mining experts, and the discretion of experience.

Since the publication of the last biennial report of the Bureau, in which special prominence was given to the mining interests of the State and the needs of the same, there have been several important changes made in the laws regarding the development and management of coal mines, with a view both to the better protection of the lives and health of those who work in them, and the promotion of more economic methods of mining.

We may briefly summarize the more recent legislation on the subject, and subsequently review some of the practical results of the changes made, so far as they have become operative during the past year.

RECENT LEGISLATION.

The last General Assembly of this State, in session during the winter of 1882-83, had its attention frequently directed, during its term, to certain desired amendments and additions to the mining laws of the State, and through the agency of some of the more active members of the Senate and House committees on Mines and Mining, supported by the influence of representative men from the mining regions, several measures were brought forward which so

commended themselves to the members of that Legislature as to receive a vote sufficient to make them the laws of the State. The character of these measures may be briefly stated as follows:

1. An amendment providing for State Inspectors of Mines, and defining the method of appointment, duties, and districts of the same. (Approved June 18, 1883.)

2. An act to provide for the weighing of coal at the mines. (Approved June 14, 1883.)

3. An amendment requiring fire-proof buildings to be constructed at the pit-head, under certain conditions. (Approved June 21, 1883.)

4. An amendment requiring all miners to use copper needles and copper-tipped tamping bars in preparing blasts. (Approved June 21, 1883.)

5. An amendment changing the time allowed for the construction of escapement shafts, and removing the clause which had exempted mines which employed only ten men. (Approved June 18, 1883.)

6. An amendment prohibiting the use of any furnace for ventilation which should discharge its smoke into the hoisting shaft, as an up-cast, when such shaft was the only means of egress to the men. (Approved June 21, 1883.)

7. An amendment to prevent the employment underground of boys less than 14 years of age. (Approved June 18, 1883.)

In addition to these there were other measures urged upon the committees and presented to the Legislature which failed to pass. Among these, a bill to require the use of a screen of uniform dimensions and width between bars, at all mines, was perhaps the most important. The necessity of this regulation was claimed on the ground that in some parts of the State the proportion of coal which went through the screens, and for which miners received no pay, was much larger than was necessary to thoroughly clean the coal for market. Against this it was urged that the character of the coal, and the condition in which it came to the surface, was so varied in different parts of the State that to compel the use of a uniform screen would work injustice to many operators and men. This view of the case prevailed.

The greater number, however, of the plans proposed for the better protection of coal miners, were promptly conceded by this Legislature, whenever the wisdom or justice of any measure was made apparent.

The most conspicuous feature of the new mining law, and the one which involved the most careful consideration as well as the most discussion in and out of the Legislature, was that which created the office of State Inspector of Mines.

The subject of mine inspection had received special notice from this Bureau in a former report, in which the unsatisfactory results and unequal operation of the inspection by counties was so shown as to convince those who gave the matter consideration that a change of some kind was not only desirable but necessary to the securing of uniform and effective service. The matter was also brought before the committees on mines and mining, by delegations of miners from different parts of the State, and the movement was commended by many operators, who desired to see the law equally and impartially enforced.

Several conferences were held by those interested, with the members of the joint committee, and the result was the framing of a committee bill, embracing the details of such a mine inspection service as was conceived to be best, and which was modeled largely upon the laws and experience in Pennsylvania. This bill was submitted to both houses of the Legislature. In the course of its passage, however, the original bill was modified and changed in several particulars, to the regret of many; but as it finally passed, the bill was in the main satisfactory to those who projected it. The leading features of the law, as it now stands upon the statute books, may be briefly summarized as follows:

In order to divide the territory and the work judiciously, there are five divisions made of the coal producing regions of the State, and an inspector, appointed and paid by the State, is assigned to each.

Candidates for such appointment must give evidence of special qualifications for the duties of the office, and to judge of these a board of examiners is provided for, before whom all applicants must appear and undergo examination.

This board must consist of five members, to-wit: two coal operators, two coal miners and one mining engineer, the selection of whom devolves upon the Bureau of Labor Statistics.

Upon the recommendation of this examining board, the Governor is authorized to appoint.

Inspectors thus qualified and appointed are to serve one year, at a salary of \$1,800 per annum, paying their own expenses, and they are required to report to this Bureau.

County boards are still authorized, however, to appoint inspectors for counties, and such local inspectors become assistants of the State inspectors.

APPOINTMENT OF STATE INSPECTORS.

Under the provisions of this law, there have been two Boards of Examiners appointed, for the years respectively of 1883 and 1884, who have received and conducted the examination of all candidates who have chosen to appear before them. The first of these boards was composed as follows:

W. H. Emerson, coal operator, Astoria.

John Maule, coal operator, Belleville.

John Dixon, coal miner, Streator.

George Neilson, coal miner, Springfield.

W. S. Cherry, mining engineer, Streator.

This board held two sessions, one in September and one in October of 1883, and examined, in all, 38 candidates. Of this number, there were seven who gave evidence of satisfactory qualifications, and they were accordingly awarded Certificates of Competency, and recommended to the Governor as worthy of appointment as State Inspectors of Mines. From this number his Excellency made selection of five, to whom he issued commissions, as follows: To—

Alexander Ronald, Streator, to be Inspector of the First District.

Thomas Hudson, Streator, to be Inspector of the Second District.

James P. Cumming, Braceville, to be Inspector of the Third District.

Walton Rutledge, Alton, to be Inspector of the Fourth District.

Robert Winning, Carterville, to be Inspector of the Fifth District.

These officers immediately assumed their duties, and served their respective terms of one year, in the fields assigned to them.

The second Board of Examiners was appointed in August, and assembled in the first week of September of 1884, as required by law, and was composed of the following members:

Alfred W. Perry, coal operator, Geneseo.

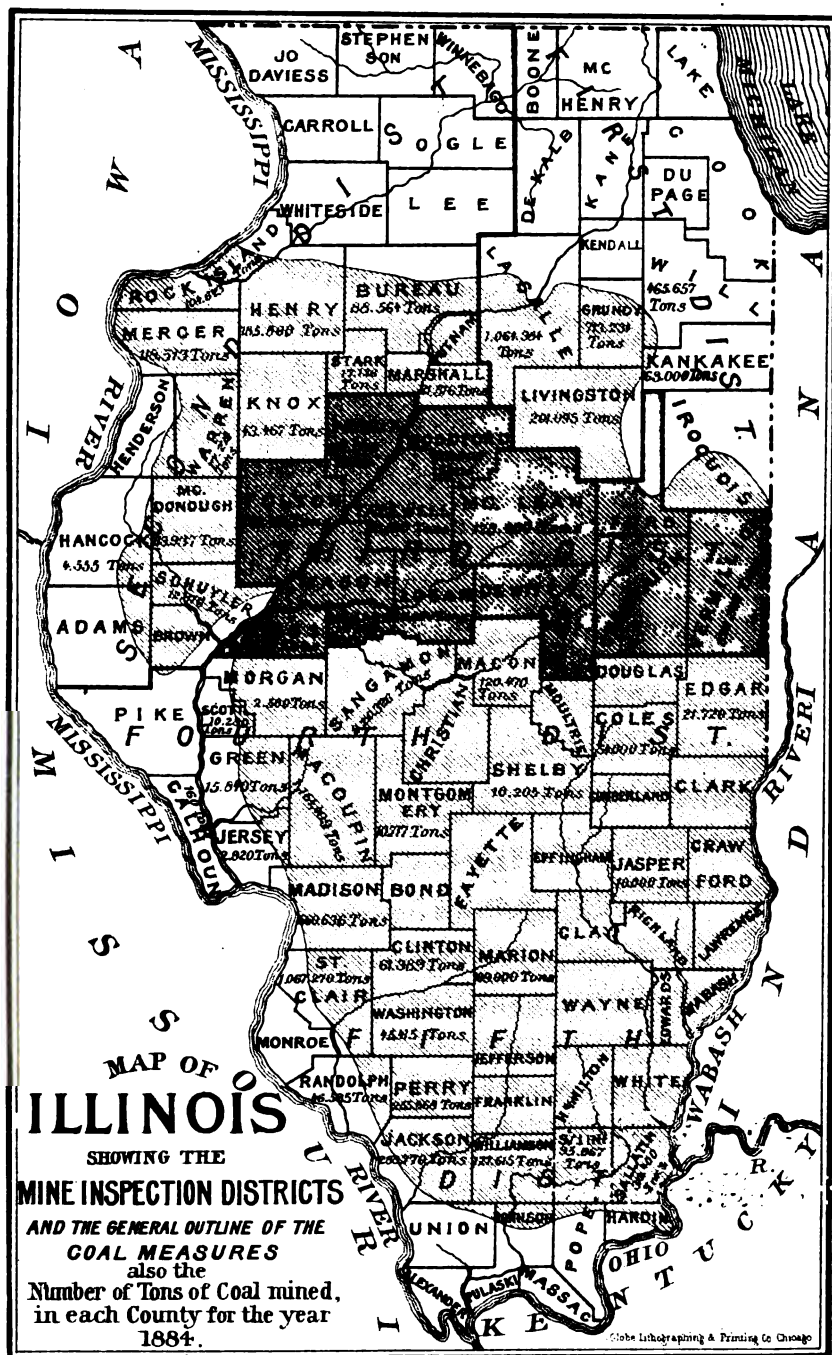
Henry Wood, coal operator, Girard.

Alex. McDonald, coal miner, Alton.

John Keay, coal miner, LaSalle.

W. S. Cherry, mining engineer, Streator.

There were ten candidates before this board for examination, four of whom were inspectors whose terms were about to expire. Of



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these ten, five received the certificates and recommendation of the board, and were subsequently commissioned by the Governor for the ensuing year. They were—

Alexander Ronald, for the First District.

Thomas Hudson, for the Second District.

John Rollo, for the Third District.

Walton Rutledge, for the Fourth District.

Robert Winning, for the Fifth District.

These inspectors are now on duty in their respective districts.

Mr. Cumming, the first inspector of the Third District, retired from the service at the expiration of his term, in order to assume the underground management of the deep mine at Mattoon.

REPORTS OF INSPECTORS.

The results of the labors of these inspectors will be found fully set forth in their several reports to this Bureau. These cover all the facts and conditions developed by their first canvass of their respective districts, and record the measure of success which has attended their efforts.

From the nature of the case the duties of an efficient inspector are complicated and arduous. He is charged with the execution of a law which very nearly affects the business interests of owners, as well as the lives and health of miners, and he may frequently be called upon to impose what may be deemed hardships upon the one for the benefit of the others. The proprietors may even regard the inspector's requirements as too exacting and oppressive, while the miner charges him with neglect of duty in not exacting more. Upon a strict interpretation of the law it may be in his power to close up a mine to the injury alike of owners, miners and the community, or by the exercise of a wise judgment he may reconcile difficulties and effect a gradual reform without injury to anybody. To carry out the spirit of the law in the most effective manner, and accomplish such reforms in mine management, and such improvement in their condition as the law contemplates, and to do this with the least possible interruption to business, with the fewest appeals to the courts, and at the same time with the least delay, is the delicate and difficult task which presents itself to the inspector on every hand. With what degree of discretion and firmness the inspectors of this State have met and discharged the duties imposed upon them must be judged from the results which are presented.

The two essentials of safety in mining, and the foremost objects sought by mine legislation, are good ventilation, and facilities for exit in case of danger. To secure these, primarily, the laws were framed, and to insure their observance inspectors were appointed. By reference to the following reports it will be seen what each inspector has attempted and accomplished in these respects during the past year.

In the First District we find that 16 escapement shafts have been sunk and equipped with apparatus for the speedy exit of men in case of an emergency; that two more are in process of construction, and that in numerous instances passage ways have been opened up under ground to connect with escapement exits, and render them available.

Two mines in this district have been suspended for refusal to provide second places of egress, and at present there remains only one important escapement to be constructed in the district.

There have been 9 improved ventilating fans erected for the better ventilation of mines during the year, and in many places the air in mines has been greatly improved by the cleaning up of air ways and the enlargement and shortening of air courses. There are safety catches on the cages at almost every shaft, and they are being put on whenever required.

In the Second District many minor improvements have been made, such as the putting on of safety catches, and covers on cages, and guards at the mouths of shafts, and brakes on winding drums; but in addition to these there have been 33 escapements completed during the year, and there are 10 more in progress.

In the Third District there have been 9 ventilating fans constructed at important mines, making 12 in all where there were only 3 before, and in addition to the fans, there have been 3 improved furnaces erected for the better ventilation of mines. There have also been 55 escapement shafts ordered by the inspector, 30 of which were completed on the 1st of July, and many more have been since then. Four injunctions have been applied for against the operation of mines whose owners refused compliance with the law, but three of them subsequently made the necessary improvements, and the applications were withdrawn.

In the Fourth District, where the greater number of deep and extensive mines are found, the inspector has secured the sinking of 20 escapement shafts at mines where there had previously been only one place of egress for the men. Owing to the depth of mines in this

district the sinking of an additional shaft has usually involved the expenditure of a large sum of money, and the whole cost of this number of shafts would doubtless approximate \$100,000.

There have also been put in operation 9 powerful fans to supercede less effective systems of ventilation. Some legal proceedings have been made necessary, but in general the desired results have been secured without contest.

For the Fifth District we have a record of 23 escapement shafts completed or in progress; of 9 air shafts which have been remodeled for purposes of escape; and underground communication has been established so as to afford passage-ways for escape to 6 additional mines, all of which is equivalent to securing second places of egress for 38 mines.

In this district there have also been erected 14 improved fans to secure better ventilation, 10 of which were in St. Clair county.

Twenty-eight indictments have been found against operators in this county for non-compliance with the law requiring coal to be weighed at the mines, but the complaints were, for the most part, filed by the miners themselves.

Summarizing these results we obtain the gratifying total of 147 mines at which second places of egress have been secured during the year, and 22 at which they are in process of construction, making altogether 169 additional outlets for those exposed to the perils of mining. We also have a total of 41 new fans, all in the nature of improvements over former ventilating apparatus, to supply the mines with better air.

No commentary can add to the force of these figures, and no stronger vindication can be had of intelligent mine inspection.

Yet these are only the more patent results of the labors of the mine inspectors, and mere figures can hardly be made to show the degree of their usefulness in numberless minor matters, involving safety to life and limb, economy of management, and salutary conditions of all kinds in and about the mines they have visited.

STATISTICS OF PRODUCTION.

Following this will be found the full reports of the several State Inspectors, made to this Bureau, and embracing not only their notes and commentaries on the condition of mines, but also complete statistical tables, upon uniform blanks, covering all the material facts in regard to the industry in this State.

From these we deduce the following summaries as to the volume of business done for the year ending July 1, 1884:

| | |
|--|--------------|
| Number of counties producing coal..... | 49 |
| Number of mines and openings of all kinds..... | 741 |
| Number of employes of all kinds..... | 25,575 |
| Number of tons of coal mined—1884..... | 10,101,005 |
| Aggregate value of the same at the mines..... | \$13,164,976 |
| Average value per ton, for the State at large..... | \$1.30 |
| Average number of days of active operations in the year..... | 200 |
| Average price per ton paid for mining..... | \$0.82 |
| Number of kegs of powder used..... | 144,378 |
| Number of men killed..... | 46 |
| Number of men injured, so as to lose time..... | 197 |
| Number of tons mined for each life lost..... | 219,587 |
| Number of employes of all kinds for each life lost..... | 556 |

Several features of this summary are worthy of note and of comparison with results obtained in previous years.

The number of counties whose coal product enters into this aggregate is two more than that of last year. These counties are Calhoun and Cass. Calhoun county appears in our list now for the first time, not because of any new opening in that county, but because the mine here reported had heretofore escaped notice, owing to its obscure situation, removed from any railway and on the banks of the Mississippi river, which affords the only communication for its product with the market. This is an extensive plant established in 1882 for the manufacture of coke, but at present is not in active operation.

Cass county appeared in our former list, but was mentioned merely as a prospective producer, two new mines being then about to begin operations. They have since been completed but their output as yet is merely nominal.

The number of mines and openings of all kinds, including numerous small enterprises for local trade, and several "strippings," is given as 741 as against 639 last year, but this apparent increase is largely owing to the fact that we have embraced and enumerated here every place where coal in any appreciable quantity has been brought to the surface. An analysis of the character of the mines given, as indicated by their output, will show what real difference there is between this year and last.

| Year..... | No. of mines producing less than 1,000 tons for the year. | No. of mines producing from 1,000 to 10,000 tons for the year. | No. of mines producing from 10,000 to 50,000 tons for the year. | No. of mines producing over 50,000 tons for the year. | Whole number of openings. |
|-----------|--|--|---|--|---------------------------------|
| 1883. | 209 | 233 | 135 | 62 | 639 |
| 1884. | 262 | 273 | 146 | 60 | 741 |

From this it appears that the increase is largely in mines whose annual product is less than 1,000 tons, and almost wholly in the class producing less than 10,000 tons. The increase in mines of the larger class is only nine.

An increase is also noticeable in the number of employes of all kinds, which is possibly owing to a more exact enumeration. The number given, 25,575, is 1,636 more than that reported last year, and is made up of the whole number of miners, proper, employed in the busy season, added to the total of other employes, and consequently is not the average number employed, but the maximum number. The average can readily be obtained however from the subsequent tables, as the minimum is there given also. Our purpose is to show the whole number of people engaged in this business.

The aggregate tonnage for the State for this year shows an apparent falling off of 407,786 tons, but this is neutralized by an excess of about the same amount erroneously reported last year from Rock Island county. The real difference in the summaries for the two years is 70,014 tons in favor of 1884, and this, in view of the larger number of small mines included in this year's summary, is equivalent to no material change in the total product of the State. In the several districts, however, there are relative gains and losses as follows:

| Year..... | FIRST DISTRICT | SECOND DIST. | THIRD DIST. | FOURTH DIST. | FIFTH DISTRICT. |
|-----------|----------------|--------------|-------------|--------------|-----------------|
| | Tons. | Tons. | Tons. | Tons. | Tons. |
| 1883. | 2,495,072 | 831,522 | 1,585,108 | 3,128,368 | 1,990,921 |
| 1884. | 2,507,370 | 728,341 | 1,932,881 | 2,804,183 | 2,128,230 |

The most striking feature in the exhibit made in the summary is the marked decline in values, as reported and averaged in the returns for this year. These figures in regard to the value of coal at the mines, do not purport to be exact as to anybody's actual

sales, but are merely the average prices prevailing at various places, for coal on track or wagons, and are doubtless in most instances neither the highest nor lowest prices realized. Yet they afford a very close indication of the real values, and as we have taken the data on this subject in the same manner in previous years, they are valuable for comparisons.

The average value per ton at the mines for the State at large, as computed from the estimates made in each locality, is, for this year, \$1.30. Last year the average obtained in the same manner was \$1.46, and that for the year preceding was also \$1.46, with a difference of some remote decimals, while the estimate made by the United States census officials for this State in 1880 was \$1.44 per ton.

The average for this year consequently shows a falling off of 16 cents a ton, or 11 per cent., from the average price realized throughout the State for the two years immediately preceding. This is confirmatory of the general complaint of low prices, and unusual competition in home and district markets.

A similar decline is observed in the average for the price of mining. Last year an average made up from the different prices paid in all parts of the State was 90 cents a ton. This year a similar computation gives an average for the State at large of 82 cents. This, of course, is alike removed from either extreme, the lowest price paid being nominally $37\frac{1}{2}$ cents a ton, and the highest \$1.50, though by far the greater number of tons are mined at the lower rates.

We have also endeavored, in the present canvass, to ascertain what portion of the year the different mines have been in active operation, and our reports consequently show the number of days so reported. Though these figures may not be exact for every place, they indicate very fairly the relative working time for the several establishments, and give us an average for all of 200 days of active operations in the year. The average, however, will be of less interest than the facts as they appear in the tables for the different mines, or mining districts.

Another new feature in the statistics of this year is the showing in regard to the amount of explosives used. This varies very largely in the different coal fields, owing to the nature of the seam, or the method of working it. Some coal can be worked without the use of powder, but other formations require a great deal of it. To dissipate the powder smoke which accumulates in the galleries of the

latter class of mines requires increased capacity of ventilating apparatus, and this information in regard to the amount of powder used is important as indicating what volume of air should be kept in motion to secure proper ventilation. Our totals show that 144,378 kegs, or 3,609,450 pounds of powder were used in the mines of this State for blasting purposes during the year under consideration.

Without further comment we present herewith a statistical summary for the State, compiled from the reports of the several inspectors, and embracing the foregoing and other important details of coal production in Illinois:

ACCIDENTS.

The record of violent deaths and serious bodily injuries suffered by those engaged in mining, is very much smaller this year than last, because there have been this year no such sweeping disasters as that at Braidwood, where 69 men were drowned in one mine, and that at Coulterville, where 10 men were killed by an explosion. Omitting the mortality in these cases as exceptional, and referring only to what may be termed the average death rate from ordinary causes, we have for the year 1882, 40 killed, or one for every 227,891 tons of coal mined; for 1883, 55 killed, or one for every 192,887 tons of coal; and for 1884, 46 killed, or one for every 219,587 tons of coal. For the three years this gives us an average of one death for every 210,109 tons of product.

In Ohio the records for seven years show one life lost for every 244,404 tons; in Pennsylvania the average for the four districts in the bituminous regions in 1882, was one death for every 277,124 tons, and in Great Britain for eight years preceding 1880 there was one death for every 143,667 tons of coal wrought. Although these data do not cover the same periods, they are an indication of the relative experience in these mining communities, and the comparison is not in our favor. Our actual loss moreover, including the 79 killed at Braidwood and at Coulterville, was, for the three years, one man for every 134,661 tons of mineral produced, which is a greater mortality than appears in any of the other fields.

The causes of the accidents here reported, both fatal and non-fatal, will be shown in subsequent pages, together with other circumstances attending them, but we may briefly state that 164 out of 243 accidents of all kinds, or 67+ per cent. of the whole, were occasioned by the fall of overhanging rock or coal, which is always the most common cause of casualties in mines, and the most difficult to successfully guard against; that 15 were the result of explosions of gas; 17 the result of the premature explosions of blasts, and 47 were of miscellaneous origin.

As in other respects, so in this, the detailed reports of the inspectors will be found very full and explicit, and we merely present here the totals of the casualty list as follows:

Memorandum of Casualties for the year 1884—their number, character and causes, by Districts, for the State.

| DISTRICTS. | FALLING OF ROCK OR ROOF. | | EXPLOSIONS OF GAS. | | PREMATURE DISCHARGE OF BLASTS. | | MISCELLANE- OUS. | | TOTALS. | |
|-------------|--------------------------------|------------|-----------------------|------------|--------------------------------------|------------|---------------------|------------|---------|------------|
| | Fatal. | Non-Fatal. | Fatal. | Non-Fatal. | Fatal. | Non-Fatal. | Fatal. | Non-Fatal. | Fatal. | Non-Fatal. |
| First..... | 3 | 41 | 1 | 5 | 1 | 1 | 3 | 10 | 11 | 37 |
| Second..... | 5 | 14 | | | | 2 | 1 | 3 | 6 | 19 |
| Third..... | 8 | 29 | 2 | | 1 | | 1 | 13 | 12 | 42 |
| Fourth..... | 4 | 24 | 1 | | 3 | 2 | 1 | 7 | 9 | 33 |
| Fifth..... | 6 | 27 | | 6 | 1 | 6 | 1 | 7 | 8 | 46 |
| Totals..... | 29 | 135 | 4 | 11 | 6 | 11 | 7 | 40 | 46 | 197 |

THE SOCIAL CONDITION OF MINERS.

As a fitting complement to the reports of the inspectors on the physical condition of mines, we introduce here the statements of two intelligent observers, engaged for a time in procuring statistics for this Bureau, upon the economic and social condition of coal miners as found in two of the principal mining communities of the State. These will be found to portray with careful consideration of details the habits, home surroundings, and disabilities which environ the miner, and illustrate the better and worse features of the miner's character and life.

The first is a delineation of the situation in Streator, an important mining town in the northern part of the State, and the other refers to Belleville and its vicinity, near St. Louis.

STREATOR.

There are about 2,000 employes in and about the coal mines of Streator, who may be characterized as inside and outside workers.

The former consist of the band miners, about 1,450 in number, including perhaps 150 entry drivers; machine miners 18, slack shovelers 18, coal loaders 100, drivers 100, road and timber men 75, cagers 25, water boilers 25.

The latter consist of top laborers 82, blacksmiths 20, carpenters 20, engineers 25, firemen 15, bosses and weighmen 25.

Miners engaged in entry or narrow work will earn at least ten or twenty dollars a month more than those in rooms, and nearly as wide a difference may be found in the earnings of room miners in different shafts, and sometimes in different parts of the same shaft.

The greater part of the miners approached complain of hard times, and nearly all say it requires their utmost efforts to pay their way. The general statement met with among room miners is to the effect that \$35 per month will cover their average earnings. In the opin-

ion of your correspondent, who is a practical miner, the cause of the low average income prevailing is not so much due to low prices as to insufficiency of work. I think it a moderate statement to say that an average miner could earn in an average room at the present prices from \$2 to \$2.40 per day, but the trouble is he don't get the chance to earn it. He is called to his work by the whistle in the morning and obliged to stay there all day and often does not get an opportunity to load or put out any more coal than he can dig in half a day. If a shaft with a hoisting capacity of 500 tons daily keeps in its employ sufficient miners to dig 700 to 900 tons daily, the result can be easily foreseen.

In order to obtain fuller information respecting the manner and purpose for which the miner's income is expended, I have made inquiry among the principal merchants and business firms of this city, with the following result:

Rent. Rent ranges from \$3 to \$10 per month; miners usually renting the poorer class of dwellings, or as their income allows.

Fuel. Most of the coal companies allow their miners one load (ton) of nut coal per month, the cost of hauling which is 50 cents. This has to be augmented by lump coal at \$2.25 per ton or nut coal at \$1 per ton delivered.

Meat. Current price quoted in list. Butchers report that miners eat a greater quantity of meat than others when wages are good. Those of British or American nativity demand the best cuts, while Hungarian and some of the other continental people will take an inferior quality.

Groceries. The general statement of merchants is that miners demand the very best in the way of food, and in good times will purchase the greatest variety of choice victuals. In this respect they are more particular and use a better quality than artisans or farmers.

Boots and Shoes. They wear out a comparatively great quantity of foot-wear at their work, especially gum boots, which they need to protect themselves from water. Their outside wear is good but not of finest quality.

Clothing. The statement of clothiers is that miners require the best of men's clothing and furnishing goods; much better than farmers or mechanics.

Dry Goods. The testimony of dry goods merchants is that a very small amount of the finer trade is among miners. They usually wear the cheaper and medium grade of goods. In this respect, their purchases do not equal those of farmers or even mechanics earning a similar wage.

Books, Papers, etc. Inquiry at the daily local newspaper offices reveals the fact that out of a large subscription, about one-half of the subscribers are miners. The news stands and book stores depend largely upon them for their trade. It is noted that the extremes of literary taste prevails. Some of the miners buy the choicest magazines and scientific publications, but it is also true that the sale of "Police News," "Gazette," etc., is very heavy among this class.

Life and Accident Insurance. Very little regular life insurance is carried by miners, but there are several hundred of them connected with benevolent societies which have insurance features connected with them, on the assessment plan. The nominal insurance in these is from \$2,000 to \$4,000 per man. There are two assessment companies doing business here among miners, that have a considerable membership. Besides these, there are two straight accident insurance companies represented, which have about 400 policies in force, and which pay an average of \$7.50 weekly indemnity in case of disabling injury, and \$500 in case of accidental death. These companies have paid very heavy losses in Streator, and as a rule stand well with the assured.

Saloons. There are 29 licensed saloons in the city, each of which pays an annual license of \$500. There have been also a few unlicensed ones in the suburbs during the year. Almost all of them say that business has been unprofitable, and some will retire this year. We state, on the judgment of an intelligent saloon-keeper, that two-thirds of the dram-shop patronage is derived directly from miners. This may be an excessive statement.

I append also a few general observations on matters related to the subject under investigation, which may be of interest and use.

Homes and surroundings. The type of miner's home most frequently met with is a one-story frame, painted and plastered cottage, standing on a lot 50x150 feet deep. The house is commonly about 16x24 feet, with an addition about 12x14 feet. This class of homes will perhaps have an average value of about \$500. The number of miners who own their homes here is very large, and an observant stranger would deem it very remarkable. It is partially accounted for by the system of buying lots by installments which prevails here, and which allowed early settlers to purchase before land became too high. This practice of the early miners has become a custom, and now most industrious miners try to get a home of their own, and stop paying rent as soon as they can. Out towards the suburbs the lots are larger, some miners having as much as two or three acres, which they cultivate during the summer. There are also miners' homes which would sell for \$1,000 or \$1,500. Their furniture usually consists of tables, chairs, bedsteads, sewing machine, bureau or stand, sometimes a rag carpet, and pictures and other common household goods. There are cabinet organs in a number of miners' homes, and two or three pianos. There are neat and tidy housekeepers among them, and the reverse. The British and Americans have, as a rule, the best ordered households, while the Hungarians are the most regardless of cleanliness and order.

Health and Sanitation. Out of ten principal physicians interviewed, six gave their opinion that there was no more sickness among miners and their families than among a like number of families whose living was earned above ground. Four physicians were of the opinion that there was from one-fourth to one-third more illness among them, due, as they believed, to unhealthy conditions in mines and to less care being taken of the children in miners' families. It is stated that the miner is liable to a peculiar disease which is named "Miner's Consumption," caused by inhaling coal dust and

aggravated by impure air and damp mines. The disease is as fatal as regular phthisis, and several cases are cited in this vicinity. All agree that the surgical practice caused by accidents in mines is very large. It is held by some that in drainage and sanitary conditions the miners' homes as a whole are hardly equal to other classes.

Educational. Our graded schools compare favorably with any in the State, and the attendance is very largely made up of the children of miners. Many of the miners take an interest in educational matters, and they usually have a representative on the board of education. We have also a fine high school where a thorough course of training is given in classical and scientific learning. There are about fifteen miners' children in this institution, two of whom graduate this term. Besides this, a great many of the men have a thirst for self-improvement, which is ministered unto by a circulating library of over 2000 volumes. The ladies in charge of the library state that invariably the best class of scientific, philosophic and literary works are perused by miners. The passage of the new mining law has given a great impetus to the study of mining engineering in this vicinity, and it is now the ambition of many to pass a successful examination before the Board of Examiners of the State Bureau of Labor Statistics. It is felt that a certificate of competency from such a source will be a great aid in obtaining advancement.

Religious. There are fourteen churches in the city and eighteen religious organizations, some of the lesser ones being almost exclusively composed of miners, and in all, the miners are fairly represented. It may be proper to state that some of the most intelligent are radical in their tendency and deny the truth of current theological creeds altogether, while there also are many who are utterly indifferent to church influences.

Recreation. The amusements of our miners are varied. A large number of British miners have a fondness for sports, and hunting, fishing, foot-racing, shooting-matches, etc., are favorite pastimes. The lodges of the different friendly societies, which abound here, offer evening entertainment to some every night in the week. Social parties, balls, etc., are not uncommon, and music is studied with much delight by some. There are two brass bands composed largely of miners, and some vocal clubs are also kept up. It has often been regretted that there is no public reading room, gymnasium, or mechanic's institute to offset the strong attraction of the present place of resort—the saloon. Evening classes have been conducted from time to time by private parties with success.

Economic. The perplexing question of wages has not been so troublesome in Streator as in some other mining districts. The price of mining is settled annually on the first of April by a contract which fixes the rate per ton for the summer and winter season. There is generally more or less agitation about the time for signing the contract, but it rarely happens that work is suspended more than a few days. Many of the men here understand that their employers do not control the price of coal arbitrarily, but are themselves influenced by the condition of trade, and many credit their employers with the desire to pay as much for mining as is safe in the face of

outside competition. Some important ameliorations have been wrought in the mines by these persistent yearly agitations, which have partly crystalized later into the mining law; notably, in the matter of ventilation and in greater security to life and health. Several trades unions have been inaugurated here but with only partial success, until lately when the Knights of Labor—a secret organization—is said to have grown to large proportions.

Building and Loan Association. In this savings institution there are sixty-eight members who are miners, who hold stock to the nominal value of \$40,800—that is, it will be worth that or more if they complete their payments. The actual cash value at present date is \$7,904. This amount has been paid in within four years.

Bank Accounts. At one bank eleven miners keep open account, with balances in their favor ranging from \$10 to \$400. Certificates of deposit also are now out covering about \$3,000. Another bank does business with about fifty miners, who have balances in their favor of from \$15 to \$400, making an aggregate of about \$8,000 or \$9,000. One cashier observes that the Hungarian miners are most saving, or, at least, make most use of the bank.

Real Estate. The record book of one real estate firm shows that within the last ten years about \$70,000 worth of lots have been sold to miners, of which amount about \$10,000 remains unpaid. The head of the firm estimates that as much more has been sold by other parties. These lots have been largely built on, and it would not be extravagant to suppose that the improvements would be as valuable as the land itself.

Advancement. Most of the miners who have got ahead in the world have turned their attention to farming. Many have gone west from here; some have bought or rented farms in this neighborhood. Some few have tried mercantile business, and the partners in one of our principal houses have worked in the mines. Some have gone into the coal business on their own account, and one or two have grown wealthy in it. A few have gone into the saloon business, while the candy and pea-nut trade has come to be regarded as the thing for those disabled from work in the mines. Quite a number work their way up in the mining trade proper, especially since the introduction of so much machinery into mines, and the higher skill required to operate the various branches of mining of late years. The new mining law has created positions for some, and two miners from Streator found that the avenue to promotion. The elevation of the standard of mining engineering consequent upon the enforcement of the new law, is doing much to stimulate the ambition and thereby the intellect of energetic men in the mining business.

Mining Machinery. The Harrison Mining Machine is in successful operation in one of the shafts of the C. W. & V. Coal Company. Sixteen machines are employed and they are cutting an average of about 600 tons daily. The mine is given over to the use of machinery and no hand work is done except in the entries. About 170 men are now employed to do the work that formerly gave employment to about 240. A certain number of laborers are therefore displaced. The machinery was introduced without incurring any considerable amount of ill-will, and although not yet regarded with

special favor by hand-miners, it may be said that there is not much bad feeling or malice felt towards it. The employes about the mining machinery are the same as were formerly engaged in hand-work.*

Prospective. The indications at present are, that the coal trade will hardly be as good this year as the last. Already a large number of miners have been thrown out of employment by the dullness of trade, consequent upon the cessation of cold weather, and doubtless much inconvenience and perhaps distress will be occasioned before the men can find work again. Much of Streator coal is used by the farmers of the Northwest for fuel, and our trade is therefore very sensitive to the weather. Manufacturers also consume considerable of it, but perhaps the greater part is used by railroads. If we can get through the summer without suffering, the winter can usually be depended on to provide for itself, and even to pay the debts of the warm season. Most of our merchants make a practice of carrying the best of their miner customers in summer, although there is always more or less of loss in it. One of our heaviest dealers estimates his loss on miners at about three per cent., which loss he ascribes to their sheer inability to pay, and not, as a rule, to intentional dishonesty. Probably the greatest benefit in an industrial way that could accrue to miners, would be something that would divide the work more equally over the months of the year. At present there is a great rush of work in the winter, which draws a host of men from all parts of the country, only to be turned adrift in the spring again, or to stay through the summer and further subdivide the monthly pittance of older settlers. If some industry could be made profitable which would utilize the labor of these men in the summer time, and release them for pit work in the winter, it would be a benefit.

In Conclusion. I trust that these explanations may assist in giving a clearer conception of the condition of wage-workers in the mines of Streator, than would otherwise have been obtained. The person who gives them is one of the oldest resident miners in the place, and has no other motive than to aid in procuring reliable data, which may sometime be of value to those who try to unravel the tangled web of economic existence, and to ameliorate the condition of those toilers who, though not the "fittest to survive," may yet be the best.

BELLEVILLE.

Mining circles in St. Clair county have been in a disturbed condition since 1877, and since that time quite a large number of our miners have sought more profitable fields for their labor. The union, through which most of their troubles were adjusted, has been practically inoperative since that time. There have been occasional strikes, but, with the loss of practical organization, they have not been maintained with the accustomed pertinacity and endurance that previously characterized them.

* Since the foregoing was written there has been a prolonged strike on the part of the men employed in this mine, occasioned by a proposition on the part of the company to make some change in the manner of paying, which was construed to involve a reduction of wages. It was finally adjusted by a compromise.

One of the causes of the unsatisfactory condition of the coal trade in this section for many years has doubtless been in the maintenance of high rates of freight from points in this county, and the discrimination in favor of more remote points. A pool seems to have existed by which "war prices" were sustained, and the discriminations in favor of other points tended to build up a competition that threatened the impoverishment of our operators. This inflicted great hardships on our miners, by forcing them to share with their employers the disadvantages of these discriminations. Suspected bad faith, however, on the part of some members of this carrying pool, about six months ago, caused a disruption, and freights were cut down to nominal prices. These cuts of course enabled operators to move coal without much cost, but at the same time they stimulated a competition on other roads that kept profits as close as they were before the "break." Buyers alone were benefited. Since the breaking of the pool, prices for product and freight have been irregular and unsettled, and contracts have offered little or no improvement to operators. On the whole, the outlook for the coal trade, and for the miners, is gloomy in the extreme.

In St. Clair county there are ninety-three shafts, or "pits," that are in a condition to be worked, and the most of these pits are being worked on irregular time. A large number of them are used regularly, but the working force is not kept up to its full capacity except when orders are large and regular.

During the year a large mining district in the suburbs of the city of Belleville was flooded by the sinking of Richland creek. This calamity involved six mines, and years, perhaps, will be required to put them in working condition again.

We estimate in this county an average of 1,500 miners. There is, of course, more demand for labor, and consequently more miners employed, in the winter than in the summer. Our miners are mostly German and English, with a few Scotch and Bohemians. Quite a number of Hungarians worked among us a few years ago, but they have generally abandoned this section for other fields.

Of the mines in this county, there are a few that are worked by machines, and these mines have been worked with more regularity. They have kept employes engaged during the current year about three-fourths of the time. The employes earn, on the average, about as follows: Machine men, \$2.25 per day; blasters, \$2.25; helpers, \$1.75; loaders, \$1.50 to \$1.75; and drivers (generally boys), from \$1.50 to \$1.75. Taking into account the time earned in both machine and hand-worked mines, a fair estimate of annual earnings for the year would sum up about as follows: Blasters, \$500; shovellers, \$375; machine men, \$625; road layers, \$500; entry drivers, \$390; hand miners, \$290. There are, however, expenses in many instances to be deducted from these earnings, which, for powder, oil and tools, will foot up, on average, about \$40. These wages render it impossible for miners who have dependent families to live well, and the wonder is, among those who know their condition, that they appear as well and comfortable as they do. The average wages earned are about \$450 per annum, or about \$37 per month.

As a class, the miners of this section are liberal in their dispositions. It is hard, therefore, for them to reconcile their wants with their earnings. The Germans, perhaps, exceed their English and Scotch brethren in the love of their homes, and they are more provident in providing homes for their families; but the English and Scotch are proverbial for love of comforts and a good living. In the rural districts, the mining classes are generally "renters," but in the cities and villages quite a number have their cozy little homes, and they take great pleasure in surrounding them with an air of cheerfulness and comforts that would do honor to more pretentious domiciles. In cities and villages average rents will run from \$5 to \$7 per month, and in the country about \$5.

In the matter of fuel, the miners generally buy at the pit, and for the greater part use what is denominated "nut" coal, and they pay custom prices therefor. Any deviation from this custom is exceptional, and is also for quite a limited amount.

In subsistence rigid economy is practiced, and it is necessary. As a rule, all available space around dwellings, gardens, etc., are utilized to their utmost capacity for raising vegetables, etc.; and pig pens are quite common for their precious addition to the stock of provisions. We note the absence of cows generally among miners' families. A few of the more fortunate among them are provided for in this respect, but generally they are forced to dispense with the luxuries of milk and butter, or are compelled to buy. Meats are used to the extent of the ability of consuming miners to purchase, but it is a fact that a large proportion of them are living on light rations. As a rule, however, the best cuts of meats are demanded at the hands of the butchers, even if the quantity is quite limited.

In selecting groceries, fair qualities of all articles are sought for, though when purses hold out miners want the best of everything they can procure for their tables. They also like a variety of diet, and when able will have frequent changes in this respect. Being hospitable in their nature, and having pride to appear well among acquaintances and friends, they entertain at their homes liberally, and not unfrequently they will punish themselves with fasting, in order to feast their friends for a brief while.

The miner here wants to be comfortably attired when he is at work, but the nature of his employment satisfies him with plain and substantial clothes. He also wants his "Sunday suit," and he is quite particular to have it look well, and to consist of a fabric that is appropriate to the occasion for which he uses it. At the same time he is proud of his wife and children, and their deprivation in the premises affects keenly the pride of the husband and father. It is too true that they are compelled to practice much self-denial in this respect; and their appearance, and that of their families, in contrast with better times, is quite apparent. What is true of them in wearing apparel is also true in the matter of dry goods, shoes, hats, etc.

Our miners are fond of reading, as a class, and a large proportion of the older ones, without pretensions to scholarship, are quite well posted on current events of the day, and some of them have

read history with profit. Newspapers have easy access to their fire-sides, and he is quite poor, indeed, who does not take some newspaper or periodical. As a class, however, they do not grasp after numerous ideas, preferring to learn well that they do enlighten themselves upon. It is seldom that you visit a miner's home without finding some book to read that is entertaining, and occasionally you will find the works of some standard authors in their humble and scant libraries.

The children of miners here generally find places in our public schools, and, while their attendance may not be as regular as that of children generally, they, as a rule, succeed in procuring a fair knowledge of reading, arithmetic, etc., and, in some instances, they acquire a considerable knowledge of the higher branches. The parents take a pride in affording all facilities in their power for the education of the children, and the latter, generally, are not tardy or reluctant in going to school.

In religious affairs, there is quite a diversity of opinion, but the Catholics and Free Methodists appear to predominate among the religious classes. Some families are very devoted to their faith, and are, of course, very pious. But the largest number are not religiously inclined, in a popular sense of the term. Amusements find devotees among the largest proportion, but they are quiet, tractable and tolerant. The latter class are fond of athletic sports; and shooting, pitching quoits, leaping and other sports are much patronized. Besides being eminently sociable, they are fond of social parties, dancing, etc., and will have their amusements. At the same time, no class of our citizens are more orderly, or have more respect and tolerance toward others who may not participate with them in their social amusements.

The life insurance among the miners is confined to the different societies and orders to which they belong. A few years ago, when their wages amounted to fifty or seventy-five per cent. more than they now do, this kind of insurance was quite general, but the hard times now prevalent have caused a number of forfeitures. There are, however, quite a number who manage to keep up such insurance in policies ranging from \$500 to \$2,000, and a few of the more thrifty even manage to maintain larger policies. There is much regard among them for afflicted and deceased members, and it is an extreme case when they accept pauper benefits, either for the sick or dead. They have an innate pride that renders such assistance abhorrent. As a rule, they care for their sick and bury their dead with appropriate honors.

There is but little total abstinence among the miners, and it is rare that you will find one who refuses to indulge in the social glass. In this section, beer is almost the universal drink with them, and their patronage to the beer saloons is an important item in this peculiar traffic. All mining villages have their saloon or saloons, and smaller communities frequently manage to procure packages, or kegs, of the liquid in common and use them. Still there is no more drunkenness among miners than other classes.

As already stated there is a disposition among the miners here to own their homes, even if such homes are humble in their sur-

roundings and conveniences. This is especially true of the Germans who live in the suburbs of the city and in villages. Many have these little homes, and their spare time is well utilized in improving them. This class is, however, a favored one. The largest proportion are renters, and in rural districts it is quite exceptional to find a freeholder among them. Those who do own homes generally acquired them when times were good as compared with the times now. Scant earnings now forbid the idea of hoarding for any such purpose. As a rule, those who own their homes manifest commendable pride in surrounding them with all conveniences, and they generally furnish their houses with neat and plain furniture. Ornamental plants and flowers are quite common in their yards, and they take pains to have all surroundings cheerful and inviting. In the country, an occasional miner is found who has in cultivation his small "truck" patches, from which he derives considerable in the way of edibles, and in the villages all available space not surrendered to flower-beds is utilized for raising vegetables.

Improved ventilation and mine appliances have tended to improve the health of the miners of this section, and as a class they will compare favorably in this respect to others. There has been marked improvement in the sanitary condition of our mines, and it is conjectural now whether peculiar diseases are developed in mining. The disease, called "miners' consumption," is not recognized as a distinct disease here. Accidents are, however, quite frequent, and are attended with considerable fatality.

Everything considered, the wonder is that our miners are in as good a condition as is represented. The coal trade has been depressed for several years, and there is no immediate prospect of an improvement in this respect. One additional feature of distress caused by the dullness of the trade is developed in the fact that there is not employment for all the miners. At times the operators work with full force, and then again they limit the quantity of coal to the wants of the trade and discharge many of their employes. This has occasioned many young men to seek other places for work. In fact, with present low earnings there is not constant work, and it seems that the outlook at other points is not encouraging. With apparent distress in industries that consume large quantities of coal and no prospects of early relief, it seems clear that many miners will be compelled to seek other vocations. Quite a number have already abandoned the business and are engaged in other pursuits.

In conclusion I will say that the foregoing report is made from general observation and inquiries among the most prominent among this class of our fellow-citizens. In the absence of data from which I could enter more into details, I have been compelled to draw largely upon observation, but I have been careful to keep within the bounds of truth, without giving color to anything mentioned.

FIRST DISTRICT.

MR. J. S. LORD, *Secretary of the Bureau of Labor Statistics, of Illinois:*

SIR—In compliance with the requirements of an act of the General Assembly of the State of Illinois, approved June 21, 1883, I herewith submit my first annual report as Inspector of Mines for the First Inspection District of the State, embracing the counties of LaSalle, Grundy, Will, Kankakee and Livingston.

Beginning at Braceville, I found the mines in very poor condition in regard to air and air-ways, with nothing but the exhaust steam from the pumps to produce an air current in either mine. The roadways in which the coal was run were in little better shape, and altogether they looked like mines about to be abandoned.

The following improvements have since been made:

At No. 3, an escape shaft has been completed and equipped, according to law; the main air-ways have been enlarged from a sectional area of 11 feet to 36 feet; a fan has been placed in position forcing into the mine 32,000 cubic feet of air per minute, as against 6,000 feet last November, and the roadways have been considerably improved, though not as much as they ought to be and will be in the near future.

A fan has been built at No. 2 which is exhausting 27,000 cubic feet of air per minute. The air-ways have been increased from 12 to 36 feet, sectional area, and greater care is taken of the roadways. Safety catches have been placed on all their cages, and fences at the mouth of the shaft.

Casualties range high in these mines. They probably are the most dangerous workings in the State. The large amount of water continually percolating down through the soapstone, makes it drop without the least warning, often burying the miner below it, and sometimes causing death. Nothing but the most judicious care and cool judgment on the part of the miner, together with the most liberal supply of props and caps on the part of the company, can secure safety to the miner in his own room.

WILMINGTON STAR.

At the Wilmington Star mine, Coal City, I found the air poor but air-ways fair. I examined the fan and found the engine unable to drive it over fifty revolutions per minute; notified Mr. Campbell about it and he cheerfully consented to have a new engine put on. This was done, and on my second visit a large increase in the volume of air was the result. The air was then split into three currents which again increased the volume, but there are other improvements to be made which have not yet been begun.

No. 2 Shaft. This shaft went down on a fault and the work has been pretty much prospecting for coal, which they now think they have got. The mine employs only a few men, and is very wet; the air is sluggish owing to its being ventilated with steam. Mr. Campbell has consented to put in a fan at once. This company has put safety catches on all their cages during the year.

WILMINGTON MINING AND MANUFACTURING COMPANY.

Here I could not carry a lighted lamp to the face of either east or west entry. After the inundation of their No. 2 mine, where so many valuable lives were lost, they pushed ahead with single entries and turned rooms off both sides, thus necessitating the air being carried with canvass doors. This was persisted in until a light could not be carried to work by. Work was abandoned after my first visit, and the places stopped that were ahead of the air. Here again the fan engine was unable to perform its work. After communicating with the head office in Chicago, another was put on amply able to run the fan up to the requirements of the mine. This company has also fenced their shaft and put safety catches on their cages.

EUREKA COAL COMPANY.

This is a new shaft, sunk since the last county inspector's report. They have got their escapement down and a fan started; they have also fenced their shaft and put safety catches on their cages. It was quite a task to get this company to recognize that the law would be enforced if necessary in the courts, and as a last resort the suspension of the mine would be asked for.

SUFFERN BROS., COAL BRANCH JUNCTION.

Here the air was poor in some parts of the mine. Owing to the bad condition of the air-ways in the return air passage, it was impossible for a man to get through it, and there was no road to the escapement from one side of the shaft. This has been remedied and the air current given a free passage to the upcast. This company has also put in new guides and safety catches on the cages.

WILMINGTON AND SPRINGFIELD COAL CO.

In this mine the air was sluggish but not what miners would call bad air, although a long way below the requirements of the law; air courses rather poor, and only the exhaust of the steam pump as a ventilator. I insisted on a fan and it is now running; they have also put safety catches on the cages.

STREATOR AND WILMINGTON STAR COAL CO.

This is a new company in this field, their No. 1 shaft having been sunk last fall. No place has been more trying to the patience of the inspector than this. They were so slow in putting in their permanent machinery that I was about to appeal to the courts, when they finally went to work and put it in, although it is not quite finished yet. The escapement shaft is down and the next thing required is the erection of a fan. At present the mine is ventilated with a steam jet. They have put safety catches on the cages and fenced the shaft.

GOOLDRIDGE COAL COMPANY, MORRIS.

This is a small mine operated by the Gooldridge Coal Co. During the winter months the ventilation is good. They only employ from ten to twelve men in summer and for only about two days per week. It was started as room and pillar work, but they found it impracticable to work the coal by that system. Then it was started as long wall work. It is ventilated by steam, but I have been urging the use of a fan, and expect they will put one in shortly. They have put down their escapement. In connection with this I might say that on my first visit I condemned one of their hoisting ropes which they contended was good, but it broke the same afternoon, letting the cage fall to the bottom.

TAYLOR WILLIAMS' MINE, GARDNER.

This mine on my first visit was partly ventilated and the air-course has fallen in since then. They have completed their escapement shaft, and placed a fan on it; also cleaned up their air-course so that now it is one of the healthiest and safest mines in the State.

BURRELL AND FELFER, MORRIS.

Their machinery was in such poor condition and their boilers in such a dangerous state I threatened to prosecute if they did not stop until it was put right, so they ordered their men to bring out their tools, and abandoned the mine.

James Heather is sinking an escapement shaft. I expect it is down by this time.

Alex. Felfer has completed an escapement during the year.

As for the other small mines around Morris they seldom ever get so far from the shaft that an escapement can be of any practical benefit, as they are so shallow that it pays better to sink

another hoisting shaft than to keep water out during the summer months when they have nothing to do. I found all the shafts unfenced, and it is almost impracticable to do it, as they hoist the cars without cages, so I ordered cages to be put in so that the mouths of the shaft could be secured. Some of them are going to test the law on this point.

WILL COUNTY.

CHICAGO, WILMINGTON AND VERMILION COAL COMPANY'S MINES.

"G" Shaft.—There is little to complain of here. The ventilation is good, roads in good condition, all their machinery is good, and generally the state of the mine leaves little to be desired.

"H" Shaft.—This was considerably deficient in ventilation. The air-course was considerable fallen. This has been cleaned up, and a new fan built. Doors have also been set up to conduct the air to the face of the workings.

"I" Shaft.—This is a splendid shaft, ably conducted and in every way up to requirements of law. This company has put safety catches on all their cages during the year.

EUREKA No. 1 SHAFT.

This shaft had the most dangerous roads that I ever saw in a mine, indicating gross carelessness on the part of the officials in charge. The place was a total wreck, so I gave two days' notice to the superintendent in charge to appear in court and show cause why the mine should not be suspended until such time as it was made reasonably safe. They, however, promised to set men to work at once to fix it up, and the County Inspector subsequently notified me that they were doing it, but for some reason they finally surveyed it up, and abandoned it before my next visit.

ALBRIGHT WILMINGTON COAL COMPANY.

"A" Shaft. This is just a new shaft, the old one having been abandoned and used as an escapement and air-shaft. Here as everywhere else where steam is used as the ventilator, the ventilation becomes impaired during the summer months. I started out to have a fan put on and I now have the superintendent's promise to put one on. With proper care the steam would have served them and given them plenty of air until next spring, but at four of my visits there have been three different managers, each having his own favorite theory, and none of them willing to spend the necessary money for real improvement.

"B" Shaft. This formerly belonged to the Wilmington and Springfield Company. They had their coal nearly worked out, and the Albright Company having coal contiguous to the shaft, bought it, never suspecting that they would have to put it in order if they intended to run it. After I found that a new company had taken it, I paid it another visit and demanded that they should set it in

order, get a proper escapement shaft, and get it sufficiently ventilated. This they promised to do, but on going back two months after I found it in the same fix as at first. I then notified them to appear in court and started for Joliet to file the necessary information against the company, but was called away to Braceville by the death of William Bedington. I then empowered the County Inspector to proceed to Joliet and enter information. This he did, but the prosecuting attorney would not proceed until I went personally. I went, and one of the directors of the company asked fourteen days to sink their escapement and build the fan and have it running. I thought this better than I could get in the court, so I granted it. When I went there in July I found that they had put up a fan that was nearly useless. I know of no means now but to prosecute. They put down their escapement, and, consistent throughout, let the road close leading to it, although it is now open.

CO-OPERATIVE MINE.

The Co-operative mine is all right; good air, and roads fairly safe.

YOUNG AND WILSON.

This mine is now all right, but the air was very bad before the escapement was sunk.

KANKAKEE COUNTY.

CENTRAL ILLINOIS COAL COMPANY No. 1.

Here there was no escapement nor fence around the shaft, and no safety gates on top. Everything appeared to be run without regard to either health or safety. The air was simply deplorable, the mine was nearly closed all round so that there was no way for the mine to be ventilated. I had the shaft fenced and safety gates put on; then the escapement shaft was sunk and a fan put up. I have not been there since the fan was started, but I know that the ventilation must be good as the fan has now a good chance.

No. 2. The same may be said of No. 2, they being alike in nearly every particular except that the air was a little better in this mine. They have got their escapement and fan so that I judge they are in good shape.

KANKAKEE COAL MINING COMPANY—CLARK CITY.

This mine was in fair condition for air, but it has been idle all summer with little prospect of starting in the near future unless some other company undertakes to run it. In that case the new proprietors will have an escapement shaft to sink.

LIVINGSTON COUNTY.

PORTER, WAGER AND CO.

This mine on my first visit was in very poor condition. My own light and that of the pit boss died out for want of air before we got to the face of the room on the first of the current. I tried to go back to the return air-course, but it was an utter failure. There was no room to either walk or creep, so that part of the mine was abandoned and the air turned on another section that had a better airway, though poorer coal. On my last visit the ventilation was fair but there was only about ten men working in the place.

WALTON BROTHERS

This mine is in fairly good condition, the roads are well looked after and the air is good. Here the miners blast the coal without undermining it, but regulate their blasting so that it only takes place at noon and at quitting time. It would be well if the miners adopted this system wherever a large quantity of powder is used.

W. H. LEVERS.

This shaft is shut at present, and I have notified Mr. Levers that if he attempts to open it before sinking an escapement shaft he will be prosecuted.

COAL RUN COAL COMPANY.

Reading shaft abandoned.

CHICAGO, WILMINGTON AND VERMILION COAL COMPANY.

No. 3 shaft nearly abandoned. The company is preparing to start their new mine which has been opened to the coal the last two years.

STAR COAL COMPANY.

This mine is in fair condition, but there has been considerable carelessness in conducting the air. They seldom put in a close stopping so that the air is allowed to escape before reaching its destination. This is gross negligence. The machinery at this mine is in very poor condition, but they are stopping to fix it. This is another company that it is hard to get to do anything. I have to continually urge them on. They have put in new guides and safety catches on the cages.

Of the gin shafts in this county, Fairbairn and White stands first in ventilation; James Carr, second; then Jacob Moon, Thomas Edwards, Thos. Walford, John Williams, Alexander Helm and Richard Evans in the order named. Marshall & Co. abandoned their old mine and they have a new one down to the coal.

LASALLE COUNTY.

CHICAGO, WILMINGTON AND VERMILION COAL COMPANY.

No. 1 Shaft. There are two fans ventilating this mine, of the Champion pattern, one of them being ten feet in diameter. It was set to work one year ago and geared with a wire rope; the difficulties with it have been considerable, owing to the engine being too near the fan, the rope not having weight enough to give it tension. The result was that it slipped on the sheaves, occasioning lost motion. Then tension wheels were put on but they wore out the rope so soon that it would sometimes break in a few days. This has now been abandoned and the engine is to be moved to the fan and geared with teeth gearing. This will do away with all lost motion, and as the engine is powerful enough there is no reason why the air should not be good. The air-ways are good and they have been shortened up as much as possible.

No. 2 Shaft. Air-ways good and generally the mine is in good condition.

COAL RUN COMPANY'S MINES.

No. 2. This has been put down to No. 2 seam and it makes considerable fire damp. There has been but little done in it yet, but a fan has been placed in position and the ventilation is strong and good.

No. 3 Shaft. This is in fair condition, but the fan is not run as fast as it ought to be. I ordered it run to 450 revolutions per minute on my last visit, and it was promised to be done.

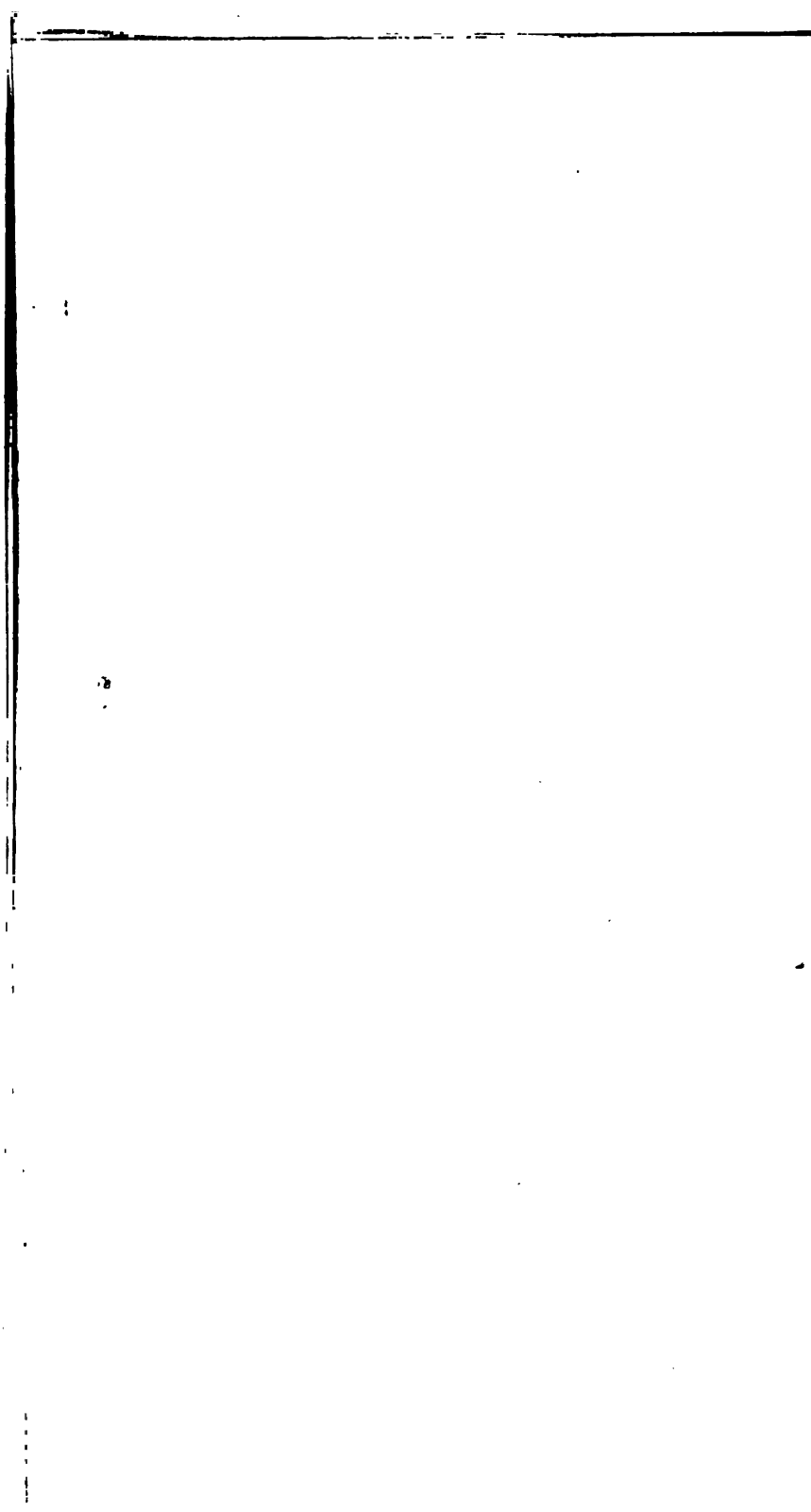
RIVER BANK COAL CO.

This mine has been ventilated with steam, but they are building a fan, and promise to have it running in a week.

STREATOR COAL CO. MINES.

At No. 1 Shaft I objected to the fan they had running, and asked for a larger one. They concluded as the mine was not a paying one, and as they had another shaft to sink for water, they would work out the rooms they had opened and abandon the mine. It will be finished in about two months.

No. 2. They are at present building a fan for this mine. It has formerly been run only during the winter months, but owing to No. 1 being abandoned, it will be necessary to run it the year round; hence the necessity for a fan. This mine is approaching abandoned workings, which are filled with water. I have ordered them to start bore-holes as soon as they get within one hundred feet of their line. I have a survey of the abandoned mine.



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LaSALLE COUNTY CARBON COAL CO.

LaSalle Shaft.—This is in fair condition. The shaft has been repaired during the year where some of the timbers were giving way.

Rockwell Shaft.—This has been run only as an aid to LaSalle shaft, but it is expected to run steadily in the future. The airways have been cleaned up and enlarged during the year.

MATTHIESSEN & HEGLER ZINC CO.

This mine has always been in good condition. Escapement shaft completed and equipped during the year.

ILLINOIS VALLEY COAL CO.

These mines are in fair condition, the air having been changed and split into three currents during the year at No. 1 mine. No. 2 is near the shaft yet, and can get as much air as the men desire.

OGLESBY COAL CO.

This mine has had all the air passing around in one current, so that by the time it got around the circuit it was heavy and loaded with impurities. They are now at work making a road to have it split in two, which will improve it for those on the last of the circuit.

MITCHELL & DUNCAN.

Shaft at present abandoned. LaSalle County Carbon Company is talking of buying it, but the sale has not been completed yet. It wants an escapement, which is now due, and whoever may purchase it with the intention of running it must proceed with the escapement at once.

JAMES CAHILL MINE.

This had a very poorly constructed fan, and the mine being beyond its capacity the past year, I felt it my duty to stop a portion of the mine. I had called their attention to it several times, but it did not have the desired effect. They are now building a new fan that will be amply sufficient. They have completed their escapement shaft.

SENECA COAL MINING CO.

This is only a small mine; is well ventilated, and they have now their escapement down.

UNION COAL CO., PERU.

This mine has very careless management. They allow the fan to slow down below the requirements of the mine. I have gone there several times and found it running at half speed. This is sheer carelessness. When I am down, the fan is run at full speed, and

then suddenly is allowed to go down again. They will allow canvas doors to go to pieces without replacing them. In this way, with all the requisites for ventilating a mine at hand, the miners may be made to suffer continually with bad air. They have enlarged, and made a good road to the escapement shaft during the year.

REMARKS.

Having gone over the principal mines separately, I am forced to the following conclusion:

First that there is gross carelessness on the part of some of the companies, but more on the part of mine bosses, whether from lack of knowledge of the responsibility that rests upon them, or lack of ability to execute the work they have undertaken, it is not for me to say. The law does not provide that none but competent practical men shall be allowed to have charge of mines. This is one of the defects of the law, and will have to be remedied sooner or later. A little conversation I had with a mine boss will illustrate this. On going down the mine for the first time he told me how well his mine was ventilated. He said he had nine currents of air in circulation so that the miners got fresh air in every department of the mine. I told him I was glad to hear of it, as I knew that the mine had a rather unsavory reputation in that respect. I went round the mine and found only two currents, and one of them passing through a hole that a man could not crawl through. This had to supply over 100 men where each man would burn three pounds of powder per day. After going round the mine I asked him where his air currents crossed one another. He asked what I meant. I said if he had nine currents they were bound to cross each other at some point, and I wanted to see his crossings. He said he had not got any yet, but if it was necessary they would have to be put in. Now this man, in charge of an important mine, had not the remotest idea what an air crossing was, neither did he understand any of the principles of ventilation, and this is not an isolated case. There are some who hold that a small air-way is better than a large one, because they say the air travels faster through the small one and is better enabled to sweep the impurities along with it. To all such I would say that large air-ways and powerful fans are the salvation of the miner. The mine gives off its gases continually, and the more air you have to dilute them the purer and healthier it will be.

Again, the law says, that 100 cubic feet per man per minute shall be supplied, to be measured at the bottom of the downcast shaft. It takes no notice whether the mine generates gas in large or small quantities, or whether it generates fire damp or not. Now it is well known that a mine with a large amount of gob, or waste, needs a larger quantity of air in circulation than a small mine, and yet may not be so healthy; besides large mines of necessity must have more leakage, reducing the volume before it reaches the men. Again, where large quantities of powder are used no provision is made for it in law.

Now, my experience during the past year is this, that the Wilmington coal field is better and healthier with 75 feet per man per minute than either the Streator or LaSalle coal field is with 100 feet. The difference is this, that in Streator large quantities of refuse are thrown back in each room, this gradually heats and slow combustion goes on, throwing off noxious vapors into the air current and soon rendering it unfit to breathe. Sometimes this kindles into a furious fire making it impossible to get in at all: then the process of shutting it off and smothering it out is the only remedy.

In the LaSalle coal field the packs which the miners put in to support the roof, as must be done in all long-wall workings, frequently heat up to the point of active combustion, throwing off poisonous gases and raising the temperature of the mines until the air becomes unfit to breathe, and this takes place where the legal quantity of air is circulating.

Again there is nothing in the law to compel the air to be split and separated into distinct currents so that the men may have a share of pure air. A mine boss may send one current around the whole mine and before it gets to the last of the men it is a positive poison. Something ought to be done to remedy these defects in the law so that the mines may at least be free from impure air. The officers of the mines, however, are not altogether to blame for impure and deficient air. The miners are to blame for a great deal of it; they will fill a cross-cut with the refuse of their room as soon as they have finished putting it through, thus rendering it entirely useless for the purpose intended. It is not uncommon for a canvas door, newly put up, to disappear from its place, and men will suffer the air to go to waste, to satisfy an abnormal craving for petty pilfering. This is a practice that should be severely condemned and promptly punished.

ACCIDENTS.

So long as mines are worked, so long will they continue to furnish their annual crop of accidents. While many of the accidents reported are slight, they are enough to show that the miner's life is an extremely hazardous one. Accidents usually happen in the miner's own room, where he is supposed to take care of himself, or arise from disobedience of instructions received beforehand. Sometimes a complaint of no props is heard, but in all cases that came under my observation it was not the lack of props which led to the accident, but a fancied security on the part of the miners themselves. They often take risks that are entirely unnecessary, and reap the penalty of a broken limb or perhaps a premature death. Sometimes the mine manager may neglect or refuse to furnish props in sufficient time, but even then the miner ought not to take any risks; he ought to complain in the proper place, and have the matter investigated and set right. Instead of this, they will run the risk of working in danger often when their better judgment tells them that they ought not to do it. The miners are entitled to sufficient props with caps suited to the nature of the roof, also a ready means of escape from

the mine in case of accident from any cause, and good ventilation, with safe roads to travel. Wherever these are not furnished, the company is guilty of a crime against the law, the workmen and society.

WATER.

All the Braidwood coal field is overlaid by a level prairie which at certain seasons of the year is covered with water, rendering it dangerous to enter the mines to work. The mines being shallow and the overlying strata soft, it is possible that it may give way at any time, and inundate the mine in a few minutes, destroying the lives of all miners that may happen to be in the mines at the time. To provide against this an escapement shaft is only a partial remedy—the rush of water may prevent the men reaching it, as was the case in the late Diamond Mine disaster. The only safe method is not to enter the mine when a body of water is overlying the workings. A ditch has been made that carries the water away in a few days, so that the working of the mine would be very little interrupted if the men refused to go down until the water had subsided sufficiently to render the mine safe.

Fire, water, and the noxious vapors of the mine, all conspire to make the miner's occupation one of no ordinary hazard. Add to this a bad roof, and the necessity of working with a very feeble light, with the many contingencies that can not be noticed here, and we get an idea of the hardships that attend the miner's lot.

STRIKES.

This district has been comparatively free from strikes since the publication of the last report. Prices for mining have remained the same, with the exception of the LaSalle coal field, where a reduction of five cents per ton took place on the first day of July. This the miners accepted without any cessation of work.

On the first of June the C. W. & V. Coal Co. put a notice up at No. 2 shaft that on and after that date a change in the system of paying for the loading of coal after the machines, would be introduced. Formerly the loaders had been paid 37½ cents per ton. The company wanted to pay for loading by the room, offering \$3.50 per room. This the miners refused, urging that it amounted to a reduction. The company held that it did not, but that the coal from No. 2 was so foul with slack and dirt that they proposed to adopt a new system of screening, and they thought it better to adopt the method of paying by the room, so that they could screen it to suit themselves. The miners then wanted \$4.10 per room, or the price they had before quitting work. Finally the company offered \$3.62½ per room. This the miners refused also, and the strike was continued until the 20th of August, when an agreement was made to pay 37½ cents per ton, with a door in the screen to prevent the coal going down to the railroad car too rapidly, and thereby cleansing the coal more thoroughly. Thus ended one of the most orderly, quiet, and yet most determined strikes of which I have any knowledge.

While on the subject of strikes, I would say that they are always to be deplored. In whichever way they are viewed, they are always bad for the men engaged in them, and sometimes disastrous to the company. It would be better for all concerned if a kindly feeling was cultivated between employer and employé. If reason took the place of prejudice, they could enter into one another's grievances, and discuss them in a friendly spirit, not as belligerents on the point of declaring war, but as men who felt that the prosperity of both parties depended on the discretion and justice of each. Such a state of things has long existed in Streator, and anything that would mar or destroy this feeling would be destructive to all interests concerned.

MACHINERY.

The machinery in this district is generally good. A pair of coupled engines are generally used for hoisting, although there are exceptions to this, a few using single engines. The boilers are ordinarily good, and the companies have complied with the law in regard to regular examinations. They have returned certificates of boiler inspection, but have sometimes been rather dilatory about it. They frequently have to get their boilers overhauled and sometimes repaired before the certificate can be filled. This accounts for the delay.

SCREENS.

The screens in this district are all seven-eighths of an inch between the bars. In the Wilmington coal field the bars are ten feet long, and uniform all over the field. In Streator the bars are thirteen feet long, at small mines six feet long, and in LaSalle they are from ten to fourteen feet long. Most of the principal mines have a check-weighman on top to see that the coal is fairly weighed. He is paid by the miners and is generally selected from their own number, once a year. The method of selection is: A meeting of the miners is called for the purpose, candidates are placed in nomination, then a vote by ballot is taken, and the candidate receiving a majority of all the votes cast is declared to be the weighman for the ensuing term; the miners, however, reserve the right to discharge him at any time and employ another in his stead.

SCALES.

All the large mines weigh their coal on track after it passes over the screen, and the amount is credited which the scale indicates. Small mines have platform scales, but there is a percentage allowed for screening which varies according to the nature of the coal and the quantity of waste it is known to give. Smaller mines still, that only supply farming trade, generally load by measure, giving from three to four cars for a ton according to the size of the car.

COAL WASHING MACHINERY.

Messrs. Luther and Tyler have put up a machine for the purpose of washing the slack or refuse of the mines around Streator. It is situated about two miles from the city on Otter Creek, and consists of an elevator, screens and pump, with necessary machinery to drive them. The railroad cars are switched in below the elevator, where men stand and shovel the slack into them. It is then carried up to the top of a chute and sent down on to a reciprocating screen where it is washed with water, being shaken all the time by the action of the screen and the water. The screen is one-eighth of an inch between bars. A set of brushes is kept going under the screen to prevent its clogging or getting stopped up. The action of the water reduces the clay and other impurities to a pulp and it passes through the bars in the shape of mud. From there the coal is taken to another screen and subjected to another drenching with water, and is then dumped into the cars for shipping. The machine is capable of handling twenty-five tons per hour, and the company finds ready sale for the washed screenings at remunerative prices.

COAL MINING MACHINES.

Coal cutting machines are only used at two mines in this district, the C. W. & V. Coal Company's No. 2, and the Union Coal Company's mine in Peru. No. 2 mine, Streator, is run entirely by machinery, the company paying \$2.10 per room. Of this sum the machine operator receives \$1.20 and the shoveler 90 cents. For this remuneration the room is undermined four feet and a width of twenty-four feet; this will furnish from 10 to 12 tons of marketable coal. Three rooms are considered a good day's work of ten hours. Each machine employs an operator and shoveler. There are four loaders and one timberman to every two machines. The capacity of each cutter is from 30 to 36 tons per day.

The Union Coal Company pays for mining by the square foot, two cents being allowed for each square foot undermined, the company engaging and paying the shoveler, who generally receives about \$1.60 per day. This leaves \$1.90 to the machine tender for each room four feet in depth and twenty-four feet wide. The capacity of a machine in this mine is about twenty-five tons per day of ten hours.

Coal Run Coal Company introduced the Lechnor machine, but, after a thorough trial and a large expenditure of money, it was abandoned.

The success of coal mining machinery is still problematical. It requires a large expenditure of money to get them in operation, and then the seam may not be adapted to their successful use. They have all been abandoned in the Wilmington coal field. This indicates that they are not successful in long-wall workings, and it is very doubtful if they can be made uniformly successful in any coal field taken as a whole. There is every reason to believe, however, that in the near future a machine will be perfected that will

accommodate itself to the varying conditions met with in all mines. At present the Harrison seems to have more of the requisites of a successful coal cutter than any other.

RECAPITULATION.

We find on looking over the foregoing statements that considerable progress has been made during the past year, and that if the work done is deemed insufficient, it must be remembered that a large portion of the field was a new one, and the time in which to make improvements exceedingly short. But to sum them up we find that sixteen escapements have been put down and equipped, while others that had no road to reach them have had roads cleaned and put in repair, thereby becoming more easily accessible to the miners in case of accident to the machinery, or from any other cause.

Two more shafts are under way to procure escapements, and two have been abandoned for refusing to construct them.

Nine fans have been built and put in operation and three more are being constructed, and the ventilation has been increased in other ways, such as cleaning the air-ways and enlarging them, also shortening the circuit where practicable.

Safety catches have been attached to nearly all the cages, and those who have not got them on have them in preparation.

Twelve years ago there were no fans in use in the mines of this district, and it was practically impossible to work in the summer except on days when the atmosphere was cool and clear. Only five years ago I could tell whether it was possible to work in the mine by watching the direction of the wind. A south wind invariably stopped work. Air was called good if we could get our lamps to burn. What is known as bad air now was then known as good. The rapidity with which poorly ventilated mines are disappearing gives promise that they will soon be things of the past, and I for one say speed the day. This and many other minor evils are fast passing away, and will only be remembered as characteristics of the dark days before mechanical ventilators were introduced on shallow mines.

A better feeling exists between employer and employes. They are both less liable to act on impulse. They generally reason their differences and try to reach an understanding before committing themselves to any rash policy. It is better that it should be so. Workmen have nothing to gain by striking and fighting their employers. On the other hand the employers have much to gain from the good will and confidence of those they may employ, while they are great losers by having that confidence disturbed. Let each of the parties to any agreement be convinced of the integrity and honesty of the other, and a solution can be arrived at peaceably and with honor to all concerned, but when prejudice gets in and they believe that each is trying to gain an advantage over the other, then confidence is destroyed and strikes, suspensions and lockouts follow, with all the innumerable evils resulting from them. The employer and his workmen become enemies, and whichever side wins, the other vows vengeance at the first opportunity. Hence it

is only an armed truce, ready to be broken at any time when either party can find an excuse. Let us hope that this state of things has gone by, and that an era of peace, prosperity and good will has been inaugurated which nothing will be allowed to interrupt.

Very respectfully,

ALEX. RONALD,

Inspector 1st District.

CASUALTIES IN THE FIRST DISTRICT.

FATAL ACCIDENTS.

No. 1—September 14, 1883. James Galloway, aged 35, married, leaves a widow and five children; died from injuries received by falling of stone on his roadway, near the face, at shaft No. 2, Braceville.

No. 2—September 16, 1883. Thomas Stacker, aged 36, single, fatally injured at Diamond mine, Braidwood, by explosion of blast which was supposed to have missed fire and which he was examining. He died three days after the accident.

No. 3—October 1, 1883. George Huffard, aged 49, married, leaves widow and seven children; died from the effects of a fall of rock on the main road at Eureka Coal Company's shaft, Braidwood.

No. 4—October 23, 1883. Harman Otto, aged 35, married, and leaves a widow and three children. He was a night man, and run an empty car into the open shaft and fell with it, causing instant death. The gate for the protection of the top of the shaft had been broken half an hour before the accident, and laid aside until morning. Otto was at the time cautioned by the engineer about approaching the unprotected side of the shaft. He was, however, entirely unaccustomed to the business.

No. 5—October 25, 1883. Joseph Hall, aged 14, single, driver at shaft No. 3, Braceville, was found dead under his car; supposed to have been run over while going out with two car-loads of dirt.

No. 6—October 30, 1883. Alexander Bell, aged 19, single; instantly killed at Wm. B. Suffern's mine, Coal City. While drawing his sprag to let his coal down, it came over on him.

No. 7—November 19, 1883. Thomas Jones, aged 32, married, leaves a widow and three children; instantly killed at Coal Run Coal Company's mines, Streator. While timbering in the shaft an explosion of fire-damp threw the scaffold on which he was working up the shaft. His head came in contact with the timbers.

No. 8—April 9, 1884. William Bedington, aged 32, married, leaves a widow and four children. While clearing roadway of fallen stone more fell on him, killing him instantly, at Mine No. 2, Braceville.

No. 9—April 11, 1884. Edward Corbine, aged 28, married, leaves a widow and two children. He died on the 20th inst. from injuries received at Mine No. 2, Braceville, by back brushings falling on him.

No. 10—April 17, 1884. George Ferinska, aged 36, single, was killed instantly by stone falling on him while working in his room at the LaSalle mine.

No. 11—May 2, 1884. Ed. Hughes, aged 52. married, leaves a widow and three children; killed by railroad cars on switch track about two hundred feet from shaft of Eureka Coal Company, at Braidwood.

NON-FATAL ACCIDENTS.

AT STREATOR MINES.

No. 1—July 17, 1883. William Hill was cut by a piece of rock.

No. 2—July 23, 1883. John Rishing was cut by pieces of rock while wedging it down.

No. 3—September 16, 1883. James Hawthorn was cut by fall of coal in his room while mining.

No. 4—March 4, 1884. Peter Mathis was severely burned by gas. He had been cautioned about going through a certain trap-door, on account of gas. He laid down his lamp and went inside for some tools. When he came out and took up his lamp enough gas was carried with his clothing to ignite and burn him badly.

No. 5—July 31, 1883. Henry Wood had his leg broken near the ankle, by the falling of a large cross timber.

No. 6—August 1, 1883—Andrew Medars had his leg broken by falling of stone.

No. 7—October 18, 1883. Mechis Miller had his face burned by going into his room, against orders, with naked light.

No. 8—November 15, 1883. Vest Yaster had his face burned by explosion of blast which was thought to have missed fire, and which he had returned to re-light.

No. 9—November 20, 1883. Thomas Richardson, slightly hurt in the back.

No. 10—February 6, 1884. Richard Gebhard, water bailer on night shift, was burned in the face by neglect to shut trap door.

No. 11—January 27, 1884. William Steplins was hurt by the falling of a rock while wedging it down.

No. 12—October 9, 1883. Rudolph Urgan had his leg broken by the falling of coal.

No. 13—August 8, 1883. Anton Shack had his ankle fractured by the falling of a stone.

No. 14—August 24, 1883. P. Marion was slightly hurt by small pieces of rock falling in his room.

No. 15—August 27, 1883. T. Vipan was hurt by cars jumping off the track.

No. 16—August 30, 1883. T. Hardy; cut by fall of timber.

No. 17—September 18, 1883. Max Harbert slightly hurt by the fall of fragment of rock.

No. 18—November 3, 1883. A. Castertro was cut by small pieces of rock while loading car.

No. 19—November 27, 1883. Wm. Bruce was injured by fall of top coal while mining.

No. 20—February 28, 1884. Wm. Hamilton, J. Griffith and T. Ovington were slightly burned by explosion of gas in a road where they had been warned not to go.

No. 21—March 4, 1884. James Clark was hurt by the falling of rock while timbering.

No. 22—January 11, 1884. James Coughlin was severely injured by falling down the shaft from lower landing; caused by gate being left open.

LA SALLE MINES.

No. 23—August 30, 1883. Mike McDonald was slightly injured by the falling of rock.

BRAIDWOOD MINES.

No. 24—December 24, 1883. Alexander Gilmore, slightly injured by stone falling on him while repairing a road.

No. 25—April 5, 1884. Dominic Malano, slightly injured by falling of stone while at work in the room.

No. 26—January 7, 1884. James McNamara, slightly hurt between two cars while driving.

No. 27—January 7. Louis Heydack had his leg injured by falling of coal.

No. 28—January 29. Wm. Taylor had his leg bruised by slipping on track while cars were being pulled back with tail rope.

No. 29—April 10, 1884. Samuel Gordon, arm bruised by falling of coal.

No. 30—June 10, 1884. Wm. Boustead, thigh broken and foot injured by falling stone while timbering.

No. 31—June 9, 1884. Samuel Boustead, foot bruised by falling stone while loading cars.

No. 32—June 23, 1884. Dominick Perana had his leg and back hurt by falling rock.

No. 33—June 23, 1884. Alex. Davis, while removing timber, had his leg injured by falling rock.

COAL CITY MINES.

No. 34—February 25, 1884. Bissieux Pierre had finished his day's work, and while filling a bag with coal from pillar at bottom of shaft, loose stone fell on him, breaking his leg.

No. 35—March 4, 1884. Farinzo Domenico; while wedging off coal a piece of stone fell on his back, severely injuring his spinal column.

No. 36—March 3. Francisco Miccirio had his leg broken by falling of stone while brushing in his room.

No. 37—March 13, 1884. Martin Veyton, while brushing, had his shoulder bruised by falling stone.

BRACEVILLE MINES.

No. 38—August 15, 1883. Peter Diew had his ankle badly sprained while going down the shaft; lever slipped from engineer's hand, allowing cage to go full speed to the bottom of shaft.

No. 39—October 10, 1883. Robert Gurney had his shoulder blade broken; while driving out, sitting on the coupling between the cars, his light having gone out, and being in the dark, he raised his shoulders too high.

No. 40—October 23, 1883. Clemence Vanderwood had his shoulder blade broken by falling stone at room face.

No. 41—November 1, 1883. Wm. Ainsley had his left leg bruised by falling rock while setting a prop.

No. 42—November 21, 1883. M. J. Holles had his foot hurt by falling rock at face of room.

No. 43—December 11, 1883. J. B. Lewis, while acting as night roadman and brushing a switch, had his foot hurt by falling stone.

No. 44—December 11, 1883. Mathew O'Connell was slightly injured in the back while loading a car with coal, by pieces of stone falling on him out of a slip.

No. 45—December 20, 1883. Thomas Thornton had his foot slightly hurt by fragments of stone falling while brushing.

No. 46—December 21, 1883. Arthur Cook was slightly injured on his leg by a falling stone at the road head.

No. 47—January 10, 1884. David Lloyd had his head slightly hurt by being jammed on a piece of coal, caused by stone falling out of a slip.

No. 48—January 11, 1884. Thomas Reay, while driving from the face, a stone fell and broke his left arm below the elbow.

No. 49—January 15, 1884. Antone Botonskey had his leg broken while pushing an empty car along a cross road by a stone from the side.

No. 50—January 16, 1884. Herman Kline received a serious injury on his arm which was finally amputated, caused by the fall of stone at the face.

No. 51—January 26, 1884. John Viner had his back slightly hurt by stone falling at the face.

No. 52—February 8, 1884. William Purcell was slightly injured in the hip, by falling stone, while sledging coal.

No. 53—March 7, 1884. Julius Toising was slightly hurt in the back by stone falling at the face of the room.

No. 54—May 24, 1884. William Knappe had his collar bone broken by fall of coal and stone.

No. 55—May 30, 1884. William Connolly had his back and leg bruised and partial dislocation of shoulder, by fall of brushings.

No. 56—June 7, 1884. John Johnson, while brushing his place, had his leg dislocated at the knee.

No. 57—June 23, 1884. John S. Kabass had his ankle dislocated by fall of stone at face.

GRUNDY COUNTY—1884.

| Name of firm, company or individual operating mine. | Town or post-office nearest the mine. | Capital employed. | CHARACTER OF PLANT. | | | | EMPLOYEES. | | | | PRODUCT. | | |
|---|---------------------------------------|-------------------|----------------------------|---------------------------------|---|--|----------------------------|---|-----------------------------|---|---------------------------|---|---|
| | | | Drift, slope or shaft..... | Steam, horse or hand-power..... | Depth of coal below the surface—feet..... | Thickness of coal—feet and inches..... | Geological No. of seam.... | Long-wall, or pillar and room workings..... | No. of places of egress.... | Ventilation, by fan, furnace or otherwise?..... | Number of miners employed | No. of men injured (so as to lose time) | No. of tons of coal produced (including nut coal) |
| | | | | | | | | | | Winter | Summer | Price per ton paid for mining. | |
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Note.—In addition to the above, there are 15 smaller mines, which are worked about 6 months in the year, and average 2½ men per mine, including the owners, and have produced an aggregate of 3,000 tons.

KANKAKEE COUNTY—1884.

[illegible]

LA SALLE COUNTY—1884.

| Name of firm, company or individual operating mine. | Town or post-office nearest the mine. | Capital employed. | CHARACTER OF PLANT. | | | | EMPLOYES. | | | | PRODUCT. | | | | | | | | | | | |
|---|---------------------------------------|-------------------|----------------------------|--------|--------|---|--|-----------------------------|---|------------------------------|--|---------------------------|--|---|---|---------------------------------|--|--------------------------------|-------------|---|--|------|
| | | | Drift, slope or shaft..... | Shaft. | Steam. | Depth of coal below the surface—feet..... | Thickness of coal—feet and inches..... | Geological No. of seam..... | Long-wall, or pillar and room workings..... | No. of places of egress..... | Ventilation, by fan, furnace or otherwise..... | Number of miners employed | No. of other employees, in and about the mine..... | No. of days worked during the year..... | No. of kegs of powder used during the year..... | No. men killed during year..... | No. of men injured (so as to lose time)..... | Price per ton paid for mining. | | No. of tons of coal produced (including nut coal) | Average value of coal per ton at the mine..... | |
| | | | | | | | | | | | | | | | | | | Summer..... | Winter..... | | | |
| C. W. & V. Coal Co..... | Streator..... | 150,000 | | | | 110 5½ | 7 | 3 | 7 R. P. | 3 | 3 Fan. | 300 | 124 | 248 | 1,702 | 4 | 9 | \$0 75 | \$0 85 | 259,746 | \$1 40 | |
| Matthiessen & Hegler Zinc Co..... | LaSalle..... | 50,000 | | | | 85 5½ | 5 | 5 | | | | 150 | 156 | 235 | 1,056 | | | | | 158,798 | | |
| James Cahill..... | Peru..... | 50,000 | | | | 350 5 | 5 2 | 5 | L. W. P. | 3 | | 50 | 35 | 310 | 2,700 | 1 | | 60 | 60 | 78,000 | 1 55 | |
| Streator Coal Co. No. 1..... | Streator..... | 75,000 | | | | 330 3½ | 7 | 7 | L. W. P. | 3 | | 150 | 35 | 274 | 960 | 6 | | 90 | 90 | 79,431 | 1 40 | |
| Streator Coal Co. No. 2..... | Streator..... | 75,000 | | | | 84 5½ | 4 ½ | 4 ½ | L. W. P. | 3 | | 125 | 35 | 171 | 960 | | | 75 | 75 | 56,000 | 1 40 | |
| LaSalle Co. C. C. No. 1..... | LaSalle..... | 100,000 | | | | 55 4 ½ | 7 | 7 | L. W. | 3 | | 95 | 20 | 100 | 125 | 1 | | 85 | 85 | 21,000 | 1 52 | |
| LaSalle Co. C. C. No. 2..... | LaSalle..... | 100,000 | | | | 370 3½ | 3 ½ | 3 ½ | L. W. | 3 | | 180 | 23 | 164 | 125 | | | 95 | 95 | 60,533 | 1 52 | |
| Ill. Valley Coal Co. No. 1..... | Oglesby..... | 200,000 | | | | 320 3½ | 3 | 3 | | 3 | | 135 | 68 | 186 | 12 | | | 95 | 95 | 23,219 | 1 52 | |
| Oglesby Coal Co. No. 1..... | Oglesby..... | 185,000 | | | | 430 4 ½ | 2 ½ | 2 ½ | | 3 | | 50 | 34 | 88 | | | | 95 | 95 | 49,200 | 1 52 | |
| Union Coal Co..... | LaSalle..... | 50,000 | | | | 460 5 | 2 | 2 | L. W. P. | 3 | | 110 | 145 | 34 | 134 | | | 95 | 95 | 12,800 | 1 52 | |
| Caledonia Coal Co..... | LaSalle..... | 50,000 | | | | 276 5 | 2 | 2 | R. W. P. | 3 | | 159 | 179 | 120 | 150 | 1,058 | 1 | | 90 | 90 | 49,200 | 1 52 |
| Coal Run Coal Co..... | Streator..... | 50,000 | | | | 565 5 ½ | 2 ½ | 2 ½ | R. W. P. | 3 | | 50 | 100 | 28 | 200 | 480 | | | 75 | 85 | 56,415 | 1 45 |
| River Bank Coal Co..... | Streator..... | 30,000 | | | | 185 2 | 5 ½ | 5 ½ | R. W. P. | 3 | | 16 | 60 | 75 | 100 | 10 | 1 | | 160 | 160 | 55,000 | 2 00 |
| Fred W. Eades..... | Streator..... | 12,000 | | | | 56 5 ½ | 7 | 7 | R. P. | 3 | | 10 | 30 | 160 | 30 | | | 75 | 75 | 30,000 | 1 40 | |
| | | | | | | | | | | | | 10 | 30 | 160 | 30 | | | 75 | 85 | 8,000 | 1 65 | |

* Nineteen mining machines in use.

† Ten mining machines in use.

‡ Formerly Mitchell & Duncan.

STATISTICS OF LABOR.

LaSalle County—Continued.

| Name of firm, company or individual operating mine. | Town or post-office nearest the mine. | Capital employed. | CHARACTER OF PLANT. | | | | EMPLOYEES. | | | | PRODUCT. | | | | |
|---|---------------------------------------|-------------------|---------------------|--------|-----|---------|------------|---------|---------|-------|--|--|--------|-----------|------------|
| | | | Drift.. | Horse. | 5 | 7 R. P. | 3 Nat.. | 7 R. P. | 3 Nat.. | 5 | No. of tons of coal produced (including nut coal.) | Average value of coal per ton at the mine..... | | | |
| Lukins & Cavanaugh..... | Streator..... | 2,000 | Drift.. | Horse. | 5 | 5 | 7 R. P. | 3 Nat.. | 25 | 4 | 263 | 5 | \$0 90 | 9,000 | \$1 45 |
| Elmer Busard..... | " | 800 | " | " | " | 4 1/2 | 7 | 3 Fur. | 0 | 4 | 123 | 0 | \$0 90 | 1,000 | 1 75 |
| Robert Fairbairn..... | " | 900 | " | " | " | 4 1/2 | " | " | 0 | 4 | 160 | 0 | \$0 90 | 2,000 | 1 40 |
| T. Mackey..... | " | 200 | Shaft. | " | 47 | 47 | " | " | 18 | 6 | 150 | 53 | \$0 90 | 1,450 | 1 75 |
| Hire & Robertson..... | " | 1,300 | Drift.. | " | 40 | 40 1/2 | " | " | 6 | 16 | 230 | 60 | \$0 90 | 4,300 | 1 65 |
| Joseph Crew..... | " | 1,300 | " | " | 68 | 68 1/2 | " | 1 S'm. | 0 | 8 | 123 | 30 | \$0 90 | 5,400 | 1 75 |
| T. Howard..... | " | 1,600 | Shaft. | " | 16 | 16 1/2 | " | " | 0 | 6 | 100 | 16 | \$0 90 | 2,300 | 1 75 |
| Burkess & Courtney..... | " | 1,700 | " | " | 16 | 16 1/2 | " | " | 0 | 8 | 120 | 4 | \$0 90 | 7,000 | 1 75 |
| Barberger Bros..... | " | 800 | Slope. | " | 46 | 46 1/2 | R. P. | 2 Fur. | 0 | 3 | 120 | 0 | \$0 90 | 650 | 1 75 |
| S. Metcalf..... | " | 600 | " | " | 46 | 46 1/2 | " | " | 0 | 3 | 120 | 0 | \$0 90 | 560 | 1 60 |
| T. White..... | " | 1,200 | Shaft. | " | 46 | 46 1/2 | " | " | 0 | 3 | 85 | 3 | \$0 90 | 925 | 1 60 |
| T. Hadrige..... | Lowell..... | 1,500 | Drift.. | " | 127 | 127 1/2 | L. W. | 2 Fur. | 0 | 4 | 230 | 0 | \$0 90 | 530 | 2 00 |
| Philip Shelton..... | " | 6,000 | Shaft. | Steam. | 127 | 127 1/2 | " | " | 18 | 3 | 230 | 0 | \$0 90 | 670 | 2 00 |
| Seneca Coal Mining Co..... | Seneca..... | 10,000 | " | " | " | " | " | " | 7 | 18 | 240 | 0 | \$0 90 | 7,785 | 2 00 |
| Mitchell & Jackson..... | Marselles..... | " | " | " | " | " | " | " | 16 | 27 | 240 | 0 | \$0 90 | 12,869 | 1 50 |
| Totals..... | | \$1,031,800 | | | | | | | 1,720 | 2,129 | 774 | 5,082 | \$0 86 | 1,064,384 | \$1 62 1/2 |

WILL COUNTY—1884.

[illegible]

*** Abandoned.**

+ Sold to Albright Co.

RECAPITULATION BY COUNTIES.

| Counties. | Capital em- ployed. | Acreage | No. of mines. | No. of mines shipping coal | No. of mines, local | Kinds of power employed | Kinds of openings. | Modes of working coal, pillar and room, long wall, single and double entry. | No. of miners and other employees. | Average No. of days worked | | | | No. of men killed. | No. of men injured so as to lose time. | Average price per ton for mining. | | No. of tons of coal produced, including nut. | Average price of coal per ton at the mines. | No. of mines with escapement shaft. | No. of mines without escape- ment shaft. | Kinds of power used for veni- lation. | | | | |
|-----------------|------------------------|---------|---------------|----------------------------|---------------------|-------------------------|--------------------|---|------------------------------------|----------------------------|----------------|----------------|--------------|--------------------|--|-----------------------------------|--------------|--|---|-------------------------------------|---|--|------------------|-------|-------|--------|
| | | | | | | | | | | Other em- ployes. | Miners, winter | Miners, summer | Double entry | | | Single entry. | Long wall... | | | | | | Pillar and room. | Drift | Slope | Shaft. | Hand power. | Horse power | Steam. | Natural | Steam jet | Furnace. | Fan |
| Grundy..... | \$324,600 | 6,560 | 29 | | | 11 | 2 | 18 | 1,382 | 485 | 1,804 | 1,382 | 18 | 18 | 18 | | | 713,234 | \$1.47 | 29 | | 8 | 2 | 6 | 13 | |
| Kankakee..... | 70,000 | 960 | 2 | | | 2 | 2 | 2 | 225 | 68 | 300 | 225 | 2 | 2 | 2 | | | 63,000 | 1.50 | 1 | | 1 | 1 | 1 | | |
| Livingston..... | 111,200 | 1,692 | 12 | | | 4 | 8 | 4 | 281 | 68 | 473 | 281 | 8 | 8 | 8 | | | 201,097 | 1.50 ^{1/2} | 11 | | 1 | 1 | 1 | | |
| LaSalle..... | 1,031,800 | 12,826 | 83 | | | 19 | 14 | 27 | 1,720 | 771 | 1,664 | 1,720 | 15 | 15 | 15 | | | 1,064,381 | 1.62 ^{1/2} | 29 | | 4 | 7 | 12 | 10 | 13 |
| Will..... | 153,000 | 1,760 | 8 | | | 6 | 2 | 8 | 1,099 | 485 | 1,427 | 1,099 | 8 | 8 | 8 | | | 465,657 | 1.50 ^{3/4} | 8 | | 4 | 4 | 8 | 1 | |
| Totals..... | \$1,690,600 | 23,798 | 84 | | | 42 | 8 | 65 | 4,707 | 1,860 | 6,133 | 4,707 | 19 | 19 | 19 | | | 2,507,370 | 1.50 ^{1/2} | 78 | | 6 | 22 | 27 | 18 | 26 |



SECOND DISTRICT.

MR. JOHN S. LORD, *Secretary of the Bureau of Labor Statistics of the State of Illinois:*

SIR—In compliance with section twelve (12) of an act of the General Assembly providing for the health and safety of persons employed in coal mines, in force July 1, 1883, I herewith submit my first annual report of the Second Inspection District, for the year ending June 30, 1884.

The amount of capital employed, number of acres of workable coal, kind of opening and power used at the different mines for raising coal, number of tons of coal produced, with the average value of the same at the mine, number of miners and other employes in and around the mines, with the price per ton paid for mining at the different mines and in the different counties, have been collected and tabulated.

The fatal accidents, with the causes thereof, are given in detail.

Short sketches of the principal mines in the district are given, with the methods of working and ventilating the same. Of the 22 counties in the Second Inspection District, 11 are coal-producing, some of them to a very limited extent. Four counties, namely, Hancock, Schuyler, Warren and Stark, produce less than 20,000 tons annually, with no prospect of improvement in the near future.

| | Tons. |
|---|-----------|
| Total production reported for 1883..... | 1,309,322 |
| Deduct error in report from Rock Island county..... | 477,800 |
| Total production for 1883..... | 831,522 |
| Total production for year ending June 30, 1884 | 728,146 |
| Decrease from 1883 | 103,376 |
| Number of employes—miners..... | 3,008 |
| Number of other employes in and around the mines..... | 613 |
| Total number of employes..... | 3,616 |

| | |
|--|---------------|
| Number of fatal accidents..... | 6 |
| Number of accidents—non-fatal..... | 19 |
| Total number of accidents..... | <u>25</u> |
| Number of employes to each fatal accident..... | 602 |
| Number of employes to each non-fatal accident..... | <u>190</u> |
| Number of tons of coal produced for each fatal accident.... | 121,357 |
| Number of tons of coal produced for each non-fatal accident. | <u>38,323</u> |

The two hundred and sixty-four mines found in the second district, are scattered over an area of about four thousand five hundred square miles.

The larger mines have been visited from two to four times during the year. The small mines once; many of the latter were closed for the summer when visited; in such cases a thorough inspection was not made. In McDonough county the small mines outside of Colchester, have been under the inspection of Mr. Thomas Richards, of Colchester, county inspector. The same is true in regard to Bureau and Henry counties; in the former I have had the able co-operation of Mr. Fryar Jobling, of Tiskilwa, and the assistance of Mr. Isaac Pyle, of Kewanee, in the latter.

Very respectfully,

THOMAS HUDSON,

Inspector 2d District.

FATAL ACCIDENTS.

Accident No. 1.—September 29, 1883. Matthew Proud, a miner, aged 39 years; married; leaves a widow and one child; was killed instantly by a fall of roof, in Duffield Bros.' mine, located at Abingdon, Knox county. The mine is a new one. The shaft had just been completed. Proud was engaged cutting a ditch from the sump at the bottom of the shaft, to the face of the main entry, when a large mass of soap-stone fell from the roof, killing him instantly.

Accident No. 2.—November 16, 1883. George Heaton, a miner, aged 38 years; married; leaves a widow and six children; killed by a fall of roof in the face of his working-room in McIntosh's mine, located at Colchester, McDonough county.

Accident No. 3.—December 23, 1883. Henry McArdle, driver, aged 17 years; single; was killed by being caught between the top of the cage and the top landing, at Cable's shaft, located at Cable, Mercer county. This accident happened about 15 minutes before 7 o'clock in the morning, while the miners were being lowered into the mine to commence work for the day. It has become a custom at this shaft to fasten the stops (on which the cage rests) back as soon as

they are done hoisting coal at night, and the stops are not let out again until coal hoisting commences again in the morning. This custom arises from the fact that the miners go down the shaft at all times in the morning, and as no one is there but the night engineer, it is necessary to have the stops out to let the miners down. On the morning in question, the signal wire, which runs from the pit-head to the engine-room, broke, and the pit-head man told the miners "*not to get on the cage until the signal wire was connected.*" The break in the wire occurred in the engine-room, close to the bell, just over the engineer's head. The pit-head man went to the engine-room to connect the wire, and the engineer left his engine, got a small step-ladder, and went to help him. Through some mistake, the miners waiting to descend thought that all was ready, and rushed on the cage. When about ten of them had got on, their combined weight overcame the weight of the empty cage at the bottom of the shaft, and they started down. McArdle was caught in the act of stepping on the cage, before the engineer could jump from the ladder and stop his engine. At first it was thought that McArdle was not seriously injured. He was taken home, and a surgeon called, but he died about eight hours after the accident, from internal injuries.

Accident No. 4.—April 29, 1884. Charles Stoltonberg, a miner, aged 33 years; married; leaves a widow and two children; was killed by a fall of roof in the face of his working-room, in Shaft No. 6, operated by the Lathrop Coal and Mining Co., located at Kewanee, Henry county. Stoltonberg, in company with his partner, Gus Grotha, were engaged in timbering, and making their room secure, when a large mass, weighing about three tons, fell from the roof, killing Stoltonberg instantly, and injuring Grotha.

Accident No. 5.—April 30, 1894. William Carroll, a miner, aged 29 years; married; leaves a widow and one child; was killed by a loose rock falling on him in Thomas Greenbank's mine, located at Colechester, McDonough county. Carroll, in partnership with Thomas Greenbank, was engaged in driving an entry across old rooms, for the purpose of reaching some old pillars of solid coal that had been left. They had passed through two old rooms, and were going across the third, when Carroll, in opposition to the advice of his partner, ventured under a dangerous-looking rock. It came down on him, squeezing him into the slack and mud beneath. Greenbank was unable to remove the rock, and had to go for assistance, and before Carroll could be extricated life was extinct.

Accident No. 6.—June 6, 1884. John McCann, a pusher, aged 34 years; married; leaves a widow and one child; was instantly killed by a fall of roof, on the main entry running east, at the inside end of the shaft parting, about sixty feet from the bottom of the shaft operated by the Wenona Coal Company, located at Wenona, Marshall county. The shaft parting had been timbered securely, to the point where the accident occurred, to a height of seven feet, and at that point an offset less than five feet in height was left untimbered. The roof had been examined some time before the accident, and was found solid and considered safe. This mine is worked by the long-wall system. In opening out the mine, instead of leaving

shaft-pillars, all the coal is removed from around the bottom of the shaft, and a continual "pinching" and "squeezing" is taking place in consequence. By this squeezing, the rock became loose and fell. Had the customary precautions been taken, and the entry been securely timbered, this accident would not have occurred.

NON-FATAL ACCIDENTS.

Of the nineteen accidents of this class, fourteen of them have been caused by falls of coal or roof, and have occurred in the rooms of the men injured. Two have been caused by the victims being caught with pit-cars, one by machinery, and two by a premature blast of powder. These accidents generally may be termed slight, as all the men injured have resumed work, with the exception of William McGill, who was very seriously burned by a premature blast. He is at present in a hospital in Davenport. Fears are entertained that he may lose his eye-sight, but the chances are favorable for his coming out all right.

While it may be safely assumed there will be accidents as long as we continue to have coal mines, it is also true that the number of accidents may be greatly curtailed by greater caution being used by the men who are most liable to injury, namely, the miners themselves.

Of the six fatal and nineteen non-fatal accidents, three of the former and fourteen of the latter may be directly traced to a daring disregard of danger on the part of the men killed and injured.

With the greatest possible caution used on the part of the miners, and a strict enforcement of the mining law, accidents will be reduced to a minimum.

BUREAU COUNTY.

The most important mine in this county is known as Locey's mine, located at Loceyville on the C. R. I. & P. R. R., about six miles north from Peru. The shaft is 300 feet in depth, the seam is No. 2, of good quality and three feet thick, and the coal is mined on the long-wall system. The machinery, engine house and boiler sheds are old and worn, but it is likely that a new engine house will be built of brick and double engines put in soon. The shaft is too small for the capacity of the mine. The workings are ventilated by fan of the Guibal pattern, but the up-cast or air chamber is far too small for the capacity of the fan. An escapement has been sunk and ladders put in during the year. The fan will be moved and placed over the escape shaft, when the ventilation will be good. Covers have been put on the cages and a brake on the drum; safety catches have been tried but failed to work satisfactorily owing to the size and construction of the cages.

To make this a mine of the first class it will be necessary to enlarge the shaft from top to bottom, build new engine and boiler rooms and put in new machinery. The mine is under the management of Edward Lewis.

SHEFFIELD.

The principal mine at this point is operated by the Sheffield Mining Company. The entire product of the mine is used to coal locomotives on the C. R. I. & P. R. R. The seam worked is No. 6. The mine is ventilated by a furnace, and the condition of the mine generally is good. A. W. Boydon, Superintendent; Robert Jones, Pit-boss.

There are five or six other shafts and slopes in and around Sheffield, and two at Mineral, all supplying local custom. All the coal mined is from seam No. 6.

The five mines at Coal Hollow, five miles north of Princeton, one at Nigger Creek or Hollowayville, and one at Spring Creek, are local shafts and in fair condition.

Four escapements have been completed in this county during the year, namely: Locey's, at Loceyville; Lloyd and Higby's, at Sheffield; John Hill's, at Coal Hollow, and W. H. Forrest's, at Mineral; and four others are at present being constructed, namely: by Seaton Bros., Nigger Creek; Fletcher Bros., Coal Hollow; Heathcock, Coal Hollow, and Weissenburger, Spring Creek.

The coal produced at Spring Creek is from seam No. 5, that at Nigger Creek from seam No. 2; the latter is mined on the long-wall system.

Bureau is coming to the front as a coal producing county, and will at no distant date rival her big neighbor LaSalle. The Spring Valley Coal Company, with a capital stock of \$1,500,000, control 9,000 acres of coal land in Bureau county. It is the intention of the company to sink eight shafts, with a capacity of about 800 tons per day each. Shaft No. 1 will reach coal about August 1, and mining will be commenced September 1, 1884. The other seven shafts will be pushed forward as rapidly as possible until all are completed.

The shafts will be 17 feet long by 8½ feet wide, with one-third partitioned off for upcast, which will give an area of about 50 square feet. The shafts will be sunk one mile apart, with an escapement between, half a mile from each. The machinery will be of the most approved kind, double engines, with cylinders 14x24. Steel ropes 1½ inches in diameter. The mines will be ventilated with the "Champion" fan. The average depth of the shafts will be about 425 feet. The whole will be under the management of Charles J. Devlin, of Peru. The officers of the company are:

E. N. Saunders, President.

Chas. J. Devlin, Vice-President and General Manager.

E. V. Holcomb, Secretary.

M. H. Taylor, Treasurer.

General offices in Chicago.

Shaft No. 1 is located about four miles north of Peru. A switch has been laid from the C. R. I. & P. R. R. to the mine. A town has been located near the mines and will be known in the future by the name of Devlin City. The coal mined will be from seam No. 2, which at this point is of good quality and over three feet thick. The mining will be on the long-wall principle.

HENRY COUNTY.

KEWANEE.

The most important mines in this county are those owned and operated by the Lathrop Coal and Mining Company, located at Kewanee. Shaft No. 6 is ventilated by a furnace; the double-entry system prevails; air crossings are used when necessary; the coal is hauled to the shaft by the tail-rope system and the mine generally is in fair condition.

Shaft No. 1, operated by the same company, is ventilated by a fan of the Guibal kind, used as a "blower," being placed on the downcast shaft.

The Harrison mining machines have been in use in this mine during part of the year, but are not being used at present, the mine being closed through depression in the coal trade. The product of the machines has not been tabulated, as their use was purely for experimental purposes. The management may, however, conclude to use the machines exclusively in the near future.

A. B. Ashley, Superintendent.

Jacob Fleming, Underground Manager.

CLEVELAND.

The mine at this place is owned and operated by Taylor Williams, and is in fair condition. Ventilating by a fan, of the Guibal type. The coal is worked by double entry, and very little solid coal remains. The most of the work is drawing pillars.

A. S. Cox, Superintendent; John Milam, Pit-boss.

BRIAR BLUFF.

The mine at this place is owned and operated by Perry & Co., of Geneseo. The mine was closed February 15, owing to continued depression in the coal trade.

GALVA.

The mines at this place are operated by the Herdieu Coal Company. Shaft No. 1 was worked out and abandoned, February 15, 1884.

Shafts No. 3, No. 4, and the local shaft, are all connected underground. Shafts No. 2 and No. 5 (No. 5 was sunk during the summer) are also connected underneath. Heretofore no mechanical means have been used for ventilating the mines, except the exhaust steam from the pumps, and as a matter of course the miners have suffered from bad air during the summer months. In the month of June, furnaces have been built in shaft No. 4 and the local shaft, with good results, and furnaces will be added to the other shafts when required. The coal is worked by double entry. The airways are short, and small furnaces give abundance of air. Brakes have been put on the drums, and other little improvements made during the year.

Andrew Sunquist, Pit-boss and General Manager.

Another shaft has been sunk at this place during the summer, by the Galva Union Coal Company. It will be worked on the co-operative plan, and will be ready for business during the fall.

George Palmer, Superintendent.

CAMBRIDGE.

The mine at this place is operated by Goodrich & Burton, and supplies the local trade only. The shaft is ninety feet deep, the coal three feet thick, and the seam is No. 3 of the Illinois section. The shaft is single, only one cage being used. The coal is raised by a "friction" contrivance, which at best can not be considered the safest method for hoisting and lowering men. A link will, however, be put in, making the engine reversible, and cog gearing added.

James Williams, Manager.

ATKINSON.

There are also small local custom mines at Atkinson and Kewanee, but like other local mines, they do not do much, especially in summer. Henry Boyd, Thomas E. Earl and Thomas France have opened new mines at Kewanee during the year, and one operated by Joseph Price, at the same place, has been abandoned. Bernard Kirley, William Stanley, William Bates, John Atkinson and William Grice, have completed escapements during the year.

HANCOCK COUNTY.

AUGUSTA.

The only mines in this county are located at Augusta, on the Quincy branch of the C., B. and Q. Railroad, and are operated on a very small scale. What promised to be the most important mine is owned and operated by Crain & Williamson. A shaft was sunk, and a railroad switch put in during the summer of 1884, but the roof was found to be too soft, and it is quite likely the shaft will be abandoned. A new shaft has been sunk by Newcomb & Compton, and will be operated the coming fall and winter. Cages have heretofore been unknown at this place. Newcomb & Compton, and Samuel Jones, will put them in their respective shafts at once. At the other places the shafts are too small to admit of cages, and will likely have to be finished on the old plan. As new shafts are sunk, however, cages will be put in. The operators take kindly to the mining law, and are quite willing to comply with the provisions thereof.

The general appearance of the coal, the overlying and underlying strata, and their close resemblance to those of the Colchester seam, leads to the conclusion that this coal is seam No. 2. Two escapements have been completed during the year,—one at Dunant's mine, and one at Samuel Jones'.

KNOX COUNTY.

The forty-six mines in this county are scattered promiscuously over the whole length and breadth of the twenty townships which go to make up the important county of Knox. It would be very difficult to locate at any point in this county which would be more than four miles from a "coal bank."

The coal produced is for local custom only. There is no railroad switch to any mine in this county. The most extensive mine is owned and operated by George Clifford, about two miles north-east of Oneida, the annual production being about 6,000 tons. Duffield Brothers, of Abingdon, sunk a shaft at that place during the summer of 1883. Seam No. 2, about twenty-two inches thick, was reached at a depth of eighty-five feet. The engine and boiler were placed close to the shaft, and all inclosed under one roof. Not having an escapement, it was considered unsafe, and rather than sink an escapement at that time, the owners concluded to close the mine, which was done January 15, 1884, with the understanding that when the mine is opened again, the first work done will be the sinking of an escapement. The coal is underlaid with fire-clay of good quality, well adapted for the manufacture of tile. Two feet of this clay will be taken out with the coal, and a tile factory added to the mine, both of which will probably be in operation during the fall of 1884.

In Rio township a mine is owned by H. Gilchrist & Co., of Rapids City, but it is rented from year to year, and operated by different parties. Like all, or nearly all, mines operated in this manner, the condition of the mine gets worse and worse from year to year, until it is abandoned, with one-half of the coal left and totally lost. The coal is raised by steam power. This seam is about six feet thick in the center of the "basin," and gets thinner towards the edge. The extent of the basin is not more than five or six acres, with about one-half of it worked out. The seam is probably No. 1.

Three mines are located at Soperville, about six miles north of Galesburg. A good business is done in winter, but little or nothing during the summer months. The seam is No. 1.

There are also mines at Knoxville, Wataga, Yates City, Maquon, Truro and Victoria, employing from one to five men in each mine in winter. In summer they are generally shut down, or won't average more than one man to each mine.

During the year three escapements have been completed at Knoxville, one at Maquon and one at Yates City.

In tabulating the geological number of the seams, the opinion of Mr. Fred. R. Jelliff, of Galesburg, (late County Inspector of Mines,) has been followed, he having devoted some time to the study of the geology of Knox county.

McDONOUGH COUNTY.

COLCHESTER.

The principal mines in this county are located at Colchester, and operated by the Quincy Coal Company, and are as a rule in good condition. The coal is worked by double-entry. The mines are ventilated by furnace; the air-ways are comparatively short, rarely more than five acres of coal being taken out with one shaft. The company generally has from four to six shafts in operation at one time. It is quite common to sink two shafts every year and abandon a corresponding number. Two shafts are usually sunk from three hundred to five hundred feet apart, and connected underneath, and about ten acres of coal taken out with the two shafts and then they are abandoned. It is considered cheaper to sink shafts than to haul the coal long distances underground. The cages are all supplied with safety catches and iron covers, and the drums are supplied with brakes. The machinery generally is in good condition.

Thomas Tirrill, Manager.

William Egerton.

The next mine of importance is owned and operated by William Egerton, ventilated by a furnace, and worked on the same principle as the Quincy Coal Company's mines. The amount of air passing a given point is generally up to the standard, but the distribution of the air has been defective in the past, and complaints have been made, especially during the summer months. Some improvements have been made with good results, but there is plenty room for more. The machinery, ropes, cages, etc., are in good condition.

William Egerton, Superintendent.

The mine operated by the Colchester Coal Company has been abandoned. A new shaft is being sunk, which will be operated during the fall and winter.

Thomas Wilson & Co.

The mine operated by Thomas Wilson & Co. is ventilated by furnace and worked on the double-entry plan.. The coal is raised by horse power, the cages are supplied with catches, and the mine generally is in good condition.

Thomas Wilson, Manager.

TENNESSEE.

The mine at this place is operated by A. Newland. It has been sunk during the year and is in fair condition. A tile factory has been added and most of the coal mined will be used in the manufacture of tile.

A. Newland, Superintendent; Eli Hilliard, Pit-boss.

"Country banks" or local custom mines are scattered all over the county, little or nothing being done in them during the summer months.

The following improvements have been made during the year:

Quincy Coal Company—Escapement at shaft No. 20, and brake on drum at shaft No. 21.

William Egerton's mine—Covers on cages and brake on drums.

Prairie City Coal and Tile Company—Escapement.

Tennessee Coal and Tile Company—Escapement.

Thomas Wilson & Co.—Escapement shaft, furnace and catches on cages.

Mrs. Dall—Escapement shaft.

James Roberts & Son—Escapement shaft.

MERCER COUNTY.

CABLE.

The principal mines in this county are located at Cable, and operated by the Coal Valley Coal Company. The mines operated by said company consist of a shaft and a slope. At the shaft the coal is raised by a pair of engines seventy-five horse power each. The mine is ventilated by a fan of the Guibal type eight feet in diameter. The mine is worked on the double-entry plan. The coal is hauled to the shaft by the tail-rope system, two engine planes being in operation. The entries are driven from eight to ten feet wide, the roof is solid and of the very best kind for mining purposes, no timber being required in the entries. The coal mined is from seam No. 1, and will average four and a half feet in thickness at this mine.

The prices paid for mining are comparatively higher at these mines than in any other part of the district, and it is the only place where the miners are paid for nut coal and slack. For every ton of lump coal mined, the miner receives 10 cents for nut coal and 5 cents for slack— $5c + 10c + 93\frac{1}{2}c = \1.08 for each ton of coal mined, which makes it the best paid and most desirable work in the district.

The Harrison mining machines have been in use at this place, but they were taken out over a year ago and have not been used since. It is not known at present whether they will be used again or not.

The slope, operated by the same company, has been closed during the summer, through depression in trade, but it will be opened again in the fall if the state of trade demands it. The slope has been ventilated by a furnace, but a fan will be put in shortly.

Taking the cable mines as a whole, they are without exception the best equipped and best ordered mines in the Second district.

No strikes or other labor troubles have occurred under this company for twenty-one years. Robert Lee, Superintendent; William Haddock, Pit-boss at the shaft; Robert Haddock, Pit-boss at the slope.

The next mine of importance at this place is owned and operated by Richard B. Ellis. His old slope has been worked out and abandoned and a new one opened. It is the intention to haul the coal out of the mine by means of a small locomotive. R. B. Ellis, Superintendent.

A small mine is also operated at this place by Charles Peterson. The coal produced is used for local custom only. The other mines in this county are located at Viola, Pre-emption, Aledo, Griffin, New Windsor and Millersburg, and are all local custom mines.

One escapement has been completed during the year, by Edward Boden, at Pre-emption, and one will be finished September 1, by William Blaine, at Viola.

MARSHALL COUNTY.

WENONA.

The principal mine in this county is located at Wenona, on the Illinois Central railroad, and is operated by the Wenona Coal Company. The mine is comparatively new. It went into operation in the summer of 1883. Seam No. 2 of the Illinois section, 2 feet and 8 inches in thickness, was reached at a depth of 555 feet from the surface. The coal is raised by a pair of 185-horse-power engines, working on first motion. The cylinders are 18 inches in diameter and 4 feet long; diameter of the drum 5 feet; the cage speed when hoisting coal is about 1,150 feet per minute. The steam is supplied from a battery of four cylindrical boilers, 42 inches in diameter and 24 feet long. The coal is mined on the long-wall system. The present out-put is about 100 tons per day. This will be increased as the working face is extended until an out-put of about 500 tons per day is reached, which will probably be the maximum capacity of the mine. The only ventilating apparatus used at present is the exhaust from a steam pump at the shaft bottom, which, at best, is very unsatisfactory. The sinking of an escapement shaft, 8 feet by 5, was commenced May 1, 1884, and will be continued until completed, which will probably be in December, 1884, or early in January, 1885. Then a ventilating fan will be added to make the equipment complete. The mine is supplied with a steam fire-pump and hose capable of throwing a stream of water onto the tower in case of fire.

The coal is of good quality. The following is an analysis made at the Illinois Industrial University, School of Chemistry, Champaign, Illinois, January 19, 1884:

| | |
|----------------------------------|--------|
| Specific gravity..... | 1.246. |
| Volatile combustible matter..... | 48.66 |
| Fixed combustible matter..... | 48.66 |
| Total combustible matter..... | 92.32 |
| Impurities—water..... | 4.75 |
| “ —ashes..... | 2.93 |
| Total impurities..... | 7.68 |
| | 100.00 |

WM. McMURTRIE, *Professor of Chemistry.*
Illinois Industrial University, Champaign.

The miners at this place are the only body of men in the 'second district who have taken advantage of section 3 of "An act to provide for the weighing of coal at the mines," and appointed a check-weighman. E. L. Monser, Superintendent; John Merlin, Underground Manager.

The other mines in the county are small drifts, with the exception of one shaft, 40 feet deep, three and one-half miles west from Henry, operated by James Thompson. The drifts are located along the face of the bluffs between Henry and Sparland, and supply local trade only. Four escapements have been completed during the year, at Thompson's, Frisby's, Osborne's and McFadden's. In the summer months little or nothing is done. The coal mined is from seam No. 7.

ROCK ISLAND COUNTY.

RAPIDS CITY.

The most important mine in this county is owned and operated by Mr. Taylor Williams, at Rapids City, and at present is the best equipped and best ordered mine in the county. It is ventilated by a double fan on one shaft, like the Champion. The fans and casings, however, are of the Guibal pattern. The mine is quite extensive and considerable skill is required in conducting the air to the face of the workings. The amount of solid coal remaining is very limited. The most of the work at present is "drawing pillars," which, from its very nature, is the most dangerous the miner can be engaged in. It is not likely that this mine will last more than about three years. D. H. Williams, Superintendent; W. A. Griffith, Underground Manager.

The mine at Rapids City, operated by Gilchrist & Co., was worked out and abandoned in December, 1883. The mine at Happy Hollow, operated by Taylor Williams, was worked out and abandoned in March, 1884.

COAL VALLEY.

Two shafts are operated at this place by the Black Diamond Coal Company. The shaft known as the "Black Diamond," is on the Rock Island and Peoria railroad. The other shaft, known as the "Narrow Gauge," is connected with Moline by a narrow gauge railroad, and the coal is taken from the shaft to that city by a small locomotive. The two mines are connected underground and ventilated by a furnace. The single entry system prevails here. It is always unsatisfactory, and in this case very uneconomic. Considerable improvements have been made during the year. New cages have been put in at both shafts, supplied with safety catches. Iron covers have been put on the cages and guards around the shafts, and a steam gauge added to the boiler at the Black Diamond. Richard Battersby, Superintendent; Edwin Twomley, Underground Manager.

There are four or five small drifts in and around Coal Valley. They are working on old pillars left by the Coal Valley Coal Company.

The mine operated by Heagy and Stoddard at Tinkerville, in Hampton township, and the mine operated by Silvis Bros. of the same place, are run on a small scale at present. Their product would be more than doubled, should a railroad come into that coalfield.

A new shaft has been sunk near Bowlesburg, in Moline township, during the year, by the Eureka Coal Company.

One escapement shaft has been completed during the year at Heagy and Stoddard's mine, and safety catches put on the cages. Through some mistake *three* places of egress were reported at this mine last year. All coal mined in this county is from seam No. 1.

STARK COUNTY.

The mines in this county all depend on local trade; most of them are located on the Spoon river, between Wyoming and Modena. One at Bradford, and one on Walnut Creek, in West Jersey township. The coal mined is from seam No. 6, and is of fair quality, but a great deal of coal is wasted by "clay veins" or "horse backs" running through it. The only exception to the above, is the mine found in West Jersey township. According to the "Geology of Stark County" it has been pronounced seam No. 4 of the Illinois section. The coal is about 6 feet thick. The four feet next the bottom, seems to be of first class quality, and is considered the best coal in this part of the country for blacksmith purposes; the upper two feet is of inferior quality, a great many thin slaty streaks or veins running through it. About a foot of coal is left in position to form a roof, the overlying stratum being composed of a soft, rotten soapstone. The coal is underlaid with 18 inches of black slate, the upper 6 inches of it might be called cannel coal, which it resembles very much; it is hard and smooth, and the ordinary tracks are dispensed with in the rooms. The mine is owned and operated by John Catton, West Jersey.

The mines at Bradford are the deepest in the county, being over 100 feet in depth. The one operated by Mathias Oxberger is 130 feet deep, it was stopped January 10, 1884, for the want cages, etc., and bad order generally, and considered unsafe.

Previous to the passage of the mining law of 1883, no cages were used in this county; now, all the shafts are supplied with them and with safety catches also. Four escapements have been completed during the year, namely, James Higby's, Stephenson's and Watson's, and John McCarty's at Wyoming, and Thomas Aitkin's at Bradford, and three more will be completed in August, 1884, namely, John Scott's and G. L. Talbot's at Modena, and William Shaw's at Toulon. Copper tools have also been introduced, and all the principal mines have got them.

SCHUYLER COUNTY.

The principal mine in this county in operation at present is located at Rushville and operated by John Karr. The coal is raised by horse power, and supplies local custom only. The old shaft, operated by Karr has been abandoned. The present one was sunk in the fall of 1883. An escapement will be completed in August, 1884.

Samuel Work & Bro., of Bushnell, commenced operations at Rushville on a large scale in 1883. They had a railway switch put in and a slope opened, but the roof proved unsatisfactory, and after five months' trial they abandoned it. They have been prospecting since at another point, but whether they will sink again or not is at present unknown. The coal mined at this place is from seam No. 5.

Two small mines are in operation at Ray; they are owned and operated by the proprietors of the tile factories, the coal produced being used exclusively for burning tile. The coal is from seam No. 2.

WARREN COUNTY.

The coal produced in this county is used for local custom only. The mines are located at Monmouth, Youngstown, Swan Creek, Roseville, Alexis, and one at Kirkwood. The mines at Alexis are the best in the county, not on account of a better method of mining, but from natural advantages, the seam being thicker and roof better. From the general appearance of the seam at this place, and its close resemblance to the Mercer county mines, it is probable that it is seam No. 1.

The mine at Roseville, owned and operated by John A. Gordon, gives employment to more men than any in the county. The coal and water is raised by steam power, and the coal is worked on the double entry system, but the soft soap-stone roof, and soft fire-clay bottom, and thin seam, all combined, make it impossible to operate those mines on an extensive scale. With the exception of the mines at Alexis, and the one at Roseville, the mines are all alike in this county, and to give a detailed description of each would be superfluous. The operators are also the miners, as a rule. The coal

produced outside of Alexis is probably from seam No. 2. The mines operated by Selkirk & Johnson, three and a half miles northeast from Monmouth, may be seam No. 1; it is quite difficult to determine. One escapement has been completed this year, by William Johnson, Monmouth.

STRIKES.

Kewanee.—Strikes are not of frequent occurrence in the Second District, and are generally of short duration, and, as a rule, do not involve a large number of men. Four have occurred during the year, the first at Kewanee, Henry county. The miners in the employ of the Lathrop Coal and Mining Company had been receiving 80 cents per ton during the summer of 1883. It is customary to make a difference of 10 cents per ton between the summer and winter months. The advance takes place October 1, and the drop in prices April 1. As the miners had been receiving 80 cents per ton during the summer, they naturally expected 90 cents per ton during the winter. The company offered 85 cents. The men held a meeting and demanded 90 cents. The company offered 87½ cents as a compromise, provided the men went to work at once. This was refused by the miners and a strike inaugurated October 1, which lasted one month, at the end of which the miners accepted the company's first offer: namely, 85 cents per ton, and resumed work. About 175 men were involved in this strike.

Wenona.—The second strike occurred at Wenona, Marshall county. The miners had been receiving \$1.15 per ton during the winter. On the 1st of April, 1884, the company came out with a "contract," offering 90 cents per ton for one year. The miners refused to accept either the contract or the 90 cents per ton. They stood out one month, and then acceded to the company's demands and signed the contract.

About 50 men were idle in this strike. It is but justice to the company to state that 90 cents per ton is a little more than is paid at Minonk, and about the same that is paid for LaSalle bottom vein, and they have to compete in open market with those companies.

Galva.—Strike No. 3.—The miners in the employ of the Herdlen Company, at Galva, Henry county, came out against a reduction of 7½ cents per ton (from 87½ to 80 cents), May 1. They stood out about three weeks, and then accepted the terms offered by the company. About 80 men involved.

Colchester.—Strike No. 4.—The miners in the employ of the Quincy Coal Company, Colchester, McDonough county, came out against a reduction of 12½ cents per ton, June 1. The miners stood out ten days, and then went to work at the prices proposed by the company. Number of men involved, 150. The customary prices paid for mining at this place, for several years past, have been \$1.50 per ton in winter, and \$1.25 in summer. The reasons for reducing the price of mining, as given by the company, were, that coal is being shipped from Sangamon county and underselling them in Quincy, which they naturally claim as their home market; hence the reduction. It will be seen from the above that the *cause* of the strikes,

in every case, has been the persistent efforts of the operators to force a reduction on the miners, and in every case the operators have been successful.

GENERAL REMARKS.

Considerable difficulty has been experienced in arriving at correct conclusions regarding the number of tons of coal produced, the number of days worked, and number of kegs of powder used, etc., during the year, especially at the smaller mines, as no record of those matters is kept by the operators; the amounts tabulated, however, may be taken as approximately correct.

VENTILATION.

The methods used for ventilating the mines are either by fan or furnace in the larger ones, the fans as a rule giving the best results.

"Natural" ventilation is resorted to by the smaller operators during the winter. Those of them that run their mines during the summer months, either build an open fire on the entry near the bottom of the air-shaft, or place a heating-stove in the bottom of the upcast shaft. In tabulating the appliances for ventilating, all these arrangements have been classed as "Natural Ventilation." They were thought to be too small to be dignified by the name of furnace. The volume of air in circulation in those small mines has not been measured during the year.

The question of ventilation is one of the most difficult the Inspectors have to deal with. The difficulty arises from two causes. The first, and as a rule, the most common cause, is the ignorance of the laws which govern ventilation, displayed by those who have charge of the mines. The second arises from the fact, that many of the mines have been commenced on an incorrect plan, and without any thought of the future in regard to ventilation. When mines are commenced wrong and run so for two or three years or more, it is often difficult and always expensive to put them right. The second cause of the difficulty is traceable to the first. Both arise from ignorance of those subjects which every person who assumes the responsibility of taking charge of a mine, ought to know something about. It remains for the Inspectors to make the best of the mines that are now in operation, and be very careful that the mines opened in the future be commenced on principles that are assumed to be correct.

IMPROVEMENTS.

Many small improvements have been made during the year, old cages have been taken out and new ones put in with safety catches added; new cages have been put in where they were not used heretofore; boiler-iron covers have been put on the cages, and guards placed around the top of the shafts, and brakes put on the winding drums. Some of the mines had the above attachments, or some of them, prior to the passage of the mining law of 1883, but many of them did not. Thirty-three escapements have been completed during the year, and ten more are being constructed at the present time.

COPPER TOOLS.

The law relating to the use of copper tools for blasting purposes has been complied with generally. They have been introduced into many of the smaller mines, and in the large mines at Cable, Rapids City and Cleveland they are now used exclusively. An accident occurred at Cleveland on the 16th of June by which two men were burned (one seriously) by an explosion of powder or premature blast, which could not have occurred if copper tools had been used. This accident gave an impetus to the use of said tools at that mine.

Changes in or additions to the mining law will, in all probability, be suggested from year to year as they become necessary. At the present time no necessity for change or addition presents itself. The law is new and at present experimental; it will be soon enough to impose new restrictions when the law as it now stands has been fully complied with.

It has been suggested that the Inspectors in their annual reports recommend to the Legislature the passage of a law making it obligatory on the part of mine managers to hold "Certificates of Competency." While it may be fairly assumed that the time is coming when such a law will be in force, it is believed that the time has not come yet. A commission has been appointed in the State of Pennsylvania for the purpose of revising the mining law and dealing with other matters pertaining thereto, and among those matters will be the question of certificated managers. The commission is now at work, and it may be well to await their report before moving in that direction in this State.

BUREAU COUNTY—1894.

| Name of firm, company or individual operating mine. | Town or post-office nearest the mine. | Capital employed. | CHARACTER OF PLANT. | | | | | | | | | | EMPLOYEES. | | | | PRODUCT. | | |
|---|---------------------------------------|-------------------|------------------------|-----------------------------|---------------------------------------|------------------------------------|-------------------------|---|--------------------------|--|----------------------------|-------------------------------------|---|-----------------------------|--|--------------------------------|--|--|------------|
| | | | Drift, slope or shaft. | Steam, horse or hand-power. | Depth of coal below the surface—feet. | Thickness of coal—feet and inches. | Geological No. of seam. | Long-wall, or pillar and room workings. | No. of places of egress. | Ventilation, by fan, furnace or otherwise? | Number of miners employed. | No. of days worked during the year. | No. of kegs of powder used during the year. | No. men killed during year. | No. of men injured (so as to lose time). | Price per ton paid for mining. | No. of tons of coal produced (including nut coal). | Average value of coal per ton at the mine. | |
| | | | | | | | | | | Winter. | Summer. | | | | Winter. | Summer. | | | |
| George H. Looy. | Loceyville. | \$125,000 | Shaft. | Steam. | 300 | 3 | 2 | L. W. | 2 | Fan. | 61 | 104 | 57 | 280 | 3 | 80 | 80 | 39,000 | \$1 65 |
| Seaton Bros. | Hollowayville. | 8,000 | " | " | 400 | 3 | 2 | P. R. | 2 | Fur. | 191 | 10 | 3 | 180 | 150 | 1 00 | 1 00 | 2,328 | 2 00 |
| John Hill. | Princeton. | 5,000 | " | " | 130 | 4 | 6 | " | 2 | " | 8 | 8 | 3 | 265 | 80 | 1 00 | 1 00 | 2,160 | 1 75 |
| J. Nichols & Sons. | " | 5,000 | " | Horse. | 150 | 4 | 6 | " | 2 | " | 4 | 14 | 3 | 161 | 143 | 1 00 | 1 00 | 1,432 | 2 00 |
| A. W. Walton. | " | 5,000 | " | " | 130 | 4 | 6 | " | 2 | " | 3 | 10 | 3 | 208 | 208 | 1 00 | 1 00 | 3,976 | 2 00 |
| Fletcher Bros. | " | 5,000 | " | " | 138 | 4 | 6 | " | 2 | " | 4 | 6 | 3 | 100 | 15 | 1 00 | 1 00 | 2,055 | 2 00 |
| George Heathcock. | " | 5,000 | " | " | 200 | 4 | 6 | " | 2 | " | 48 | 64 | 15 | 340 | 120 | 87 | 87 | 22,400 | 1 80 |
| Sheffield Coal Co. | Sheffield. | 70,000 | Slope. | " | 40 | 4 | 6 | " | 2 | " | 3 | 9 | 3 | 200 | 200 | 1 00 | 1 00 | 1,200 | 2 00 |
| James Sprague. | " | 1,500 | " | " | 40 | 4 | 6 | " | 2 | " | 3 | 8 | 3 | 200 | 200 | 1 00 | 1 00 | 1,544 | 2 00 |
| Peter Duncan. | " | 1,200 | Shaft. | " | 40 | 4 | 6 | " | 2 | " | 3 | 8 | 3 | 200 | 200 | 1 00 | 1 00 | 1,312 | 2 00 |
| Lloyd & Higby. | " | 1,200 | " | " | 40 | 4 | 6 | " | 2 | " | 3 | 8 | 3 | 200 | 200 | 1 00 | 1 00 | 1,112 | 2 00 |
| Lloyd & Hauxwell. | " | 600 | Slope. | " | 80 | 4 | 6 | " | 2 | " | 3 | 8 | 3 | 200 | 200 | 1 00 | 1 00 | 1,915 | 2 00 |
| Wickom & Fleming. | Buda. | 3,500 | " | " | 40 | 4 | 6 | " | 2 | " | 3 | 8 | 3 | 200 | 200 | 1 00 | 1 00 | 1,600 | 2 00 |
| James Wood. | " | 1,000 | Shaft. | " | 50 | 4 | 6 | " | 2 | " | 12 | 20 | 2 | 250 | 50 | 1 00 | 1 00 | 2,400 | 2 00 |
| W. H. Forrest. | Mineral. | 1,200 | " | " | 50 | 4 | 6 | " | 2 | " | 8 | 8 | 3 | 200 | 20 | 1 00 | 1 00 | 2,300 | 2 00 |
| John Vanvelzor. | Peru. | 1,200 | " | " | 15 | 5 | 6 | " | 2 | " | 3 | 1 | 1 | 140 | 10 | 1 00 | 1 00 | 700 | 2 00 |
| V. H. Weisenburger. | Tiskilwa. | 2,000 | " | " | 5 | 3 | 3 | " | 2 | " | 144 | 290 | 83 | 3,656 | 808 | 95 1/2 | 97 1/4 | 88,564 | \$1 59 1/4 |
| Colby & Son. | " | 200 | Strip. | " | 5 | 3 | 3 | " | 2 | " | 144 | 290 | 83 | 3,656 | 808 | 95 1/2 | 97 1/4 | 88,564 | \$1 59 1/4 |
| Totals. | | \$239,700 | | | | | | | | | | | | | | | | | |

HENRY COUNTY—1884.

| Name of firm, company or individual operating mine. | Town or post-office nearest the mine. | Capital employed. | CHARACTER OF PLANT. | | | | | EMPLOYEES. | | | | | PRODUCT. | | | | | | |
|---|---------------------------------------|-------------------|------------------------|-----------------------------|---------------------------------------|------------------------------------|-------------------------|---|--------------------------|--|----------------------------|--|-------------------------------------|---|-----------------------------|--|--------------------------------|--|--|
| | | | Drift, slope or shaft. | Steam, horse or hand-power. | Depth of coal below the surface—feet. | Thickness of coal—feet and inches. | Geological No. of seam. | Long-wall, or pillar and room-workings. | No. of places of egress. | Ventilation, by fan, furnace or otherwise? | Number of miners employed. | No. of other employees in and about mines. | No. of days worked during the year. | No. of kegs of powder used during the year. | No. men killed during year. | No. of men injured (so as to lose time). | Price per ton paid for mining. | No. of tons of coal produced (including nut coal). | Average value of coal per ton at the mine. |
| Lathrop Mining Co. No. 1 | Kewanee..... | \$100,000 | Shaft. | Steam. | 100 | 4 | 6 | P. R. | 2 | Fan. | 10 | 5 | 175 | 10 | 1 | 1 | \$0.85 | 10,850 | \$1.50 |
| Lathrop Mining Co. No. 6 | " | 25,000 | " | Horse. | 100 | 4 | 6 | " | 2 | Fur. | 125 | 30 | 250 | 17 | 1 | 1 | 75 | 53,500 | 1.50 |
| Barnard Kirley | " | 2,000 | " | " | 60 | 4 | 6 | " | 2 | " | 5 | 1 | 275 | 2 | | | 80 | 8,820 | 1.75 |
| William Stanley | " | 1,000 | " | " | 42 | 4 | 6 | " | 2 | " | 3 | 1 | 260 | 1 | | | 87 1/2 | 2,800 | 1.75 |
| William Bates | " | 2,000 | " | " | 55 | 4 | 6 | " | 1 | Nat'l | | 6 | 1 | 260 | 1 | | 87 1/2 | 3,505 | 1.50 |
| Joseph Price | " | 1,000 | " | " | 38 | 4 | 6 | " | 1 | " | 1 | 5 | 125 | 1 | | | 87 1/2 | 1,700 | 1.50 |
| Henry Boyd | " | 1,000 | Drift. | Hand. | 30 | 4 | 6 | " | 1 | " | 1 | 5 | 200 | 1 | | | 87 1/2 | 1,540 | 1.75 |
| William Martin | " | 1,200 | " | " | 60 | 4 | 6 | " | 1 | " | 3 | 3 | 200 | 1 | | | 87 1/2 | 1,700 | 1.50 |
| Samuel Garland | " | 1,000 | Slope. | Horse. | 30 | 4 | 6 | " | 1 | " | 3 | 3 | 200 | 1 | | | 87 1/2 | 1,600 | 1.50 |
| John Atkinson | " | 500 | Drift. | Hand. | 20 | 4 | 6 | " | 1 | " | 2 | 1 | 200 | 1 | | | 87 1/2 | 1,200 | 1.50 |
| William Grace | " | 1,000 | " | " | 25 | 4 | 6 | " | 1 | " | 2 | 1 | 150 | 1 | | | 87 1/2 | 1,000 | 1.75 |
| Thomas E. Earl | " | 1,000 | Shaft. | Horse. | 70 | 4 | 6 | " | 1 | " | 6 | 1 | 120 | 1 | | | 87 1/2 | 1,200 | 1.50 |
| Thomas Francis | " | 1,000 | " | " | 70 | 4 | 6 | " | 1 | " | 2 | 1 | 120 | 1 | | | 87 1/2 | 1,200 | 1.50 |
| Taylor Williams | Cleveland | 50,000 | Shaft. | Steam. | 100 | 4 | 1 | " | 2 | Fan. | 65 | 20 | 150 | 600 | 2 | 2 | 85 1/2 | 33,500 | 2.00 |
| Perry & Co. | Briar Bluff | 100,000 | Slope. | Mules. | 30 | 4 | 1 | " | 2 | " | 4 | 10 | 310 | 50 | | | 90 | 16,800 | 2.00 |
| Goodrich & Burton | Oumbridge | 3,000 | Shaft. | Steam. | 90 | 3 | 3 | " | 2 | Fur. | 10 | 1 | 250 | 50 | | | 110 | 7,750 | 2.25 |
| John Mowbray | Atkinson | 2,000 | Slope. | Horse. | 20 | 3 | 3 | " | 2 | " | 4 | 10 | 250 | 50 | | | 90 | 5,000 | 2.25 |
| James Kay | " | 1,500 | Shaft. | " | 40 | 3 | 3 | " | 2 | " | 5 | 1 | 120 | 1 | | | 90 | 1,200 | 2.25 |
| James Campbell | " | 1,000 | Slope. | " | 15 | 3 | 3 | " | 2 | " | 4 | 1 | 120 | 1 | | | 90 | 1,900 | 2.25 |
| Armstrong & Welch | " | 500 | Slope. | " | 15 | 3 | 3 | " | 2 | " | 4 | 1 | 120 | 1 | | | 90 | 1,000 | 2.25 |
| John Rockford | " | 500 | Slope. | " | 15 | 3 | 3 | " | 2 | " | 4 | 1 | 120 | 1 | | | 90 | 1,000 | 2.25 |
| Herdien Coal Co. No. 1 | Hawley | 3,000 | Shaft. | Steam. | 60 | 4 | 6 | " | 2 | " | 3 | 4 | 200 | 1 | | | 87 1/2 | 2,000 | 1.75 |
| Herdien Coal Co. No. 2 | Galva | 6,000 | " | " | 61 | 4 | 6 | " | 2 | Jet. | 30 | 50 | 150 | 1 | | | 87 1/2 | 3,750 | 1.37 |
| Herdien Coal Co. No. 3 | " | 3,500 | " | " | 61 | 4 | 6 | " | 2 | " | 60 | 90 | 280 | 1 | | | 87 1/2 | 12,600 | 1.37 |
| Herdien Coal Co. No. 4 | " | 6,000 | " | " | 65 | 4 | 6 | " | 2 | " | 46 | 4 | 200 | 1 | | | 100 | 4,450 | 1.80 |
| Herdien Coal Co. Local | " | 3,500 | " | " | 70 | 4 | 6 | " | 2 | Fur. | 55 | 85 | 280 | 1 | | | 80 | 12,000 | 1.80 |
| Totals..... | | \$318,100 | | | | | | | | | 397 | 778 | 100 | 4,945 | 1,017 | 1 | \$0.83 | 185,860 | \$1.69 |

HANCOCK COUNTY—1884.

| Name of firm, company or individual operating mine. | Town or post-office nearest the mine. | Capital employed. | CHARACTER OF PLANT. | | | EMPLOYEES. | | | PRODUCT. | | | | | | | |
|---|---------------------------------------|-------------------|----------------------------|----------------------------------|---|--|----------------------------|--|------------------------------|---|---------------------------|---|----------------------------|---|---|---|
| | | | Drift, slope or shaft..... | Steam, horse or hand-power | Depth of coal below the surface—feet..... | Thickness of coal—feet and inches..... | Geological No. of seam.... | Long-wall, or pillar and post workings | No. of places of egress | Ventilation, by fan, furnace or otherwise?..... | Number of miners employed | No. of men injured (so as to lose time) | No. men killed during year | No. of kegs of powder used during the year..... | No. of tons of coal produced (including nut coal) | Average value of coal per ton at the mine |
| | | | Shaft..... | Horse..... | 40..... | 2 6..... | 2 6..... | 2..... | 2..... | Nat'l..... | 3..... | 10..... | 1..... | 200..... | 1,800..... | \$2 00..... |
| O. P. Leach..... | Augusta..... | \$1,300..... | ..... | ..... | 50..... | 2 6..... | 2 6..... | ..... | ..... | ..... | 2..... | 7..... | 1..... | 140..... | 800..... | 2 00..... |
| Crain & Williamson..... | ..... | 4,000..... | ..... | ..... | 32..... | 2 6..... | 2 6..... | ..... | ..... | ..... | 2..... | 6..... | 1..... | 100..... | 620..... | 2 00..... |
| Samuel Jones..... | ..... | 300..... | ..... | ..... | 20..... | 2 6..... | 2 6..... | ..... | ..... | ..... | 1..... | 4..... | 1..... | 100..... | 335..... | 2 00..... |
| John Christian..... | ..... | 250..... | ..... | ..... | 55..... | 2 6..... | 2 6..... | ..... | ..... | ..... | 8..... | 31..... | 5..... | 710..... | 1,000..... | 2 00..... |
| J. B. Dunant..... | ..... | 650..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 4,555..... | \$2 00..... |
| Totals..... | ..... | \$6,500..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |

KNOX COUNTY—1884.

| Name of firm, company or individual operating mine. | Town or post-office nearest the mine. | Capital employed. | CHARACTER OF PLANT. | | | | | | | | | | EMPLOYERS. | | | | PRODUCT. | |
|---|---------------------------------------|-------------------|----------------------------|---------------------------------|---|--|---------------------------|---|------------------------------|---|---------------------------|--|---|------------------------------------|--|--------------------------------|---|--|
| | | | Drift, slope or shaft..... | Steam, horse or hand-power..... | Depth of coal below the surface—feet..... | Thickness of coal—feet and inches..... | Geological No. of seam... | Long-wall, or pillar and room workings..... | No. of places of egress..... | Ventilation, by fan, furnace or otherwise?..... | Number of miners employed | No. of other employes in and about mine..... | No. of days worked during the year..... | No. of men killed during year..... | No. of men injured (so as to lose time)..... | Price per ton paid for mining. | No. of tons of coal produced (including nut coal) | Average value of coal per ton at the mine..... |
| | | | | | | | | | | | Winter..... | Summer..... | | | | Winter..... | | |
| George Clifford..... | Onelda..... | \$4,000 | Shaft..... | Horse..... | 40 | 4 | 6 | P-B | 3 | Fur.. | 80 | 2 | 300 | | | \$0 97½ | 6,000 | \$1 75 |
| James McGovern..... | " | 300 | Slope | " | 50 | 4 | 6 | " | " | " | 7 | 1 | 280 | | | 87½ | 1,000 | 1 50 |
| Charles Morgan..... | " | 100 | Slope | " | 50 | 4 | 6 | " | " | " | 5 | 1 | 140 | | | 87½ | 1,000 | 1 50 |
| Fred A. Johnson..... | " | 50 | Drift | Hand. | 30 | 4 | 6 | " | " | " | 4 | 1 | 200 | | | 85 | 500 | 1 30 |
| Ross & Woodward..... | Galesburg..... | 400 | Shaft. | Horse. | 30 | 4 | 3 | " | " | " | 3 | 1 | 275 | | | 1 00 | 4,500 | 1 50 |
| William Essex..... | " | 1,000 | " | " | 50 | 4 | 6 | " | " | " | 10 | 1 | 200 | | | 75 | 2,100 | 1 50 |
| Thomas G. Willstead..... | " | 300 | " | Horse. | 24 | 4 | 1 | " | " | " | 4 | 1 | 200 | | | 75 | 1,720 | 1 50 |
| Thomas Muir..... | " | 150 | Drift | Hand. | 20 | 3 | 1 | " | " | " | 2 | 1 | 150 | | | 1 00 | 1,100 | 1 50 |
| Gus Kodell..... | Wataga..... | 50 | " | " | 40 | 4 | 6 | " | " | " | 12 | 1 | 100 | | | 75 | 400 | 1 25 |
| Louis Nodine..... | " | 200 | Slope | Horse. | 62 | 4 | 6 | " | " | " | 2 | 1 | 225 | | | 75 | 2,300 | 1 40 |
| Charles Bolling..... | " | 120 | Drift | Hand. | 30 | 4 | 6 | " | " | " | 3 | 1 | 100 | | | 87½ | 480 | 1 40 |
| Rosenburg & Pierson..... | " | 200 | Shaft. | Horse. | 29 | 4 | 6 | " | " | " | 1 | 1 | 275 | | | 75 | 1,263 | 1 50 |
| William Reece..... | " | 100 | Drift | Hand. | 30 | 4 | 6 | " | " | " | 3 | 1 | 240 | | | 75 | 409 | 1 25 |
| Olat Ostlin..... | " | 100 | Shaft. | Hand. | 30 | 4 | 6 | " | " | " | 7 | 1 | 240 | | | 75 | 1,728 | 1 25 |
| William Walsh..... | " | 100 | Shaft. | Horse. | 30 | 4 | 6 | " | " | " | 3 | 1 | 240 | | | 75 | 1,840 | 1 40 |
| R. M. Campbell..... | " | 500 | " | " | 65 | 4 | 6 | " | " | " | 10 | 3 | 220 | | | 75 | 2,300 | 1 40 |
| C. W. Duffield..... | " | 3,000 | Shaft. | Steam. | 82 | 2 | 6 | " | " | " | 8 | 1 | 50 | | | 1 00 | 1,800 | 2 50 |
| Andrew Nelson..... | Abingdon..... | 50 | Drift | Hand. | 30 | 2 | 6 | " | " | " | 1 | 1 | 120 | | | 1 00 | 140 | 1 75 |
| James Nelson..... | Knoxville..... | 100 | Shaft. | Hand. | 16 | 2 | 6 | " | " | " | 1 | 1 | 180 | | | 1 00 | 480 | 1 75 |
| S. H. Hopper..... | " | 150 | Drift | Hand. | 28 | 2 | 6 | " | " | " | 2 | 1 | 200 | | | 1 00 | 1,200 | 1 75 |
| Neise Walburg..... | " | 50 | " | " | 20 | 2 | 6 | " | " | " | 3 | 1 | 200 | | | 1 00 | 400 | 1 75 |
| Johnson & Larson..... | " | 50 | " | " | 20 | 2 | 6 | " | " | " | 4 | 1 | 80 | | | 1 00 | 200 | 1 75 |
| Nelson & Anderson..... | " | 30 | " | " | 25 | 2 | 6 | " | " | " | 5 | 1 | 160 | | | 75 | 480 | 1 75 |
| John A. Conkling..... | Yates City..... | 150 | Slope | Horse. | 50 | 4 | 6 | " | " | " | 7 | 1 | 200 | | | 75 | 1,000 | 1 50 |
| John Dalton..... | " | 165 | " | " | 50 | 4 | 6 | " | " | " | 10 | 1 | 200 | | | 75 | 850 | 1 50 |
| John E. Furman..... | " | 200 | Shaft. | Horse. | 50 | 4 | 6 | " | " | " | 3 | 1 | 200 | | | 75 | 1,200 | 1 50 |
| Cassius Cox..... | " | 350 | Shaft. | Horse. | 30 | 4 | 6 | " | " | " | 1 | 1 | 130 | | | 75 | 1,600 | 1 50 |

Knox County—Continued.

| Name of firm, company or individual operating mine. | Town or post-office nearest the mine. | Capital employed. | CHARACTER OF PLANT. | | | | | | EMPLOYEES. | | | | PRODUCT. | | | | | |
|---|---------------------------------------|-------------------|------------------------|-----------------------------|---------------------------------------|------------------------------------|-------------------------|---|-----------------------|--|----------------------------|-------------------------------------|---|-----------------------------|--|--------------------------------|--|--|
| | | | Drift, slope or shaft. | Steam, horse or hand-power. | Depth of coal below the surface—feet. | Thickness of coal—feet and inches. | Geological No. of seam. | Long-wall, or pillar and room workings. | No. places of egress. | Ventilation, by fan, furnace or otherwise? | Number of miners employed. | No. of days worked during the year. | No. of kegs of powder used during the year. | No. men killed during year. | No. of men injured (so as to lose time). | Price per ton paid for mining. | No. of tons of coal produced (including nut coal.) | Average value of coal per ton at the mine. |
| | | | | | | | | | | Winter. | Summer. | | | | Winter. | Summer. | | |
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McDONOUGH COUNTY—1884.

| Name of firm, company or individual operating mine. | Town or post-office nearest the mine. | Capital employed. | CHARACTER OF PLANT. | | | | | | EMPLOYES. | | | | PRODUCT. | |
|---|---------------------------------------|-------------------|----------------------------|----------------------------------|---|---|----------------------------|--|-----------------------------|---|---------------------------|---|---|--|
| | | | Drift, slope or shaft..... | Steam, horse or hand-power | Depth of coal below the surface—feet..... | Thickness of coal—feet and inches | Geological No. of seam.... | Long-wall, or pillar and room workings | No. of places of egress.... | Ventilation, by fan, furnace or otherwise?..... | Number of miners employed | No. of men injured (so as to lose time) | No. of tons of coal produced (including nut coal) | Average value of coal per ton at the mine..... |
| | | | | | | | | | | | Winter..... | Summer..... | | |
| Quincy Coal Company... | Colchester... | 17,000 | Shaft. | Steam | 100 | 2.4 | 2 | P.-R. | 2 | Fur.. | 225 | 2 | 55,000 | \$3.00 |
| Colchester Coal Co..... | " | 4,000 | " | " | 85 | 2.6 | 2 | " | 2 | " | 50 | 1 | 11,300 | 1.75 |
| William Egerton..... | " | 4,000 | " | " | 55 | 2.6 | 2 | " | 2 | " | 70 | 2 | 17,200 | 1.75 |
| Thomas Wilson & Co..... | " | 1,000 | " | Horse | 65 | 2.6 | 2 | " | 2 | " | 17 | 2 | 3,000 | 1.75 |
| Tennessee Coal and Fire Clay Company..... | Tennessee.... | 10,000 | " | " | 43 | 2 | 2 | " | 2 | Nat'l | 20 | 1 | 1,800 | 1.75 |
| Fergus Whalen..... | " | 500 | " | Steam | 27 | 2.2 | 2 | " | 2 | " | 5 | 2 | 600 | 3.00 |
| B. F. Thompson..... | " | 50 | Drift. | Horse | 40 | 2.6 | 2 | " | 2 | " | 2 | 1 | 100 | 1.75 |
| James Eaton..... | " | 50 | " | " | 50 | 2.6 | 2 | " | 2 | " | 1 | 1 | 1,000 | 1.75 |
| John Averill..... | " | 25 | " | " | 50 | 2.6 | 2 | " | 2 | " | 3 | 1 | 120 | 1.75 |
| Mrs. Duell..... | " | 50 | " | " | 20 | 2.4 | 2 | " | 2 | " | 4 | 1 | 160 | 1.75 |
| Louis Lewis..... | Colchester... | 75 | " | " | 30 | 2.4 | 2 | " | 2 | " | 6 | 1 | 1,000 | 1.75 |
| Wm. D. Williams..... | " | 50 | " | " | 30 | 2.4 | 2 | " | 2 | " | 1 | 1 | 960 | 1.75 |
| Newman Foster..... | " | 50 | " | " | 50 | 2.2 | 2 | " | 2 | " | 3 | 1 | 320 | 1.75 |
| Thos. Rippling & Bros.... | " | 75 | " | " | 50 | 2.2 | 2 | " | 2 | " | 1 | 1 | 200 | 3.00 |
| Samuel Moss..... | " | 40 | " | " | 50 | 2.2 | 2 | " | 2 | " | 2 | 1 | 50 | 3.00 |
| Charles Welch..... | " | 80 | " | " | 50 | 2.2 | 2 | " | 2 | " | 3 | 1 | 250 | 3.00 |
| John Zimmerman..... | " | 300 | " | " | 50 | 2.2 | 2 | " | 2 | " | 5 | 1 | 800 | 3.00 |
| R. F. McClure..... | " | 50 | " | " | 50 | 2.2 | 2 | " | 2 | " | 3 | 1 | 225 | 3.00 |
| Wm. Moon..... | " | 50 | " | " | 40 | 2.2 | 2 | " | 2 | " | 3 | 1 | 200 | 3.00 |
| G. W. Dixon..... | " | 100 | " | " | 40 | 2.2 | 2 | " | 2 | " | 1 | 1 | 600 | 3.00 |
| Wm. H. Hodgson..... | " | 100 | " | " | 50 | 2.2 | 2 | " | 2 | " | 1 | 1 | 800 | 3.00 |
| John Pearson..... | " | 250 | Slope | Horse | 30 | 2.2 | 2 | " | 2 | " | 1 | 1 | 40 | 3.00 |
| Louis Atkinson..... | " | 150 | Drift. | Hand. | 40 | 2.2 | 2 | " | 2 | " | 1 | 1 | 680 | 1.75 |
| Shad. Campbell..... | " | 50 | " | " | 40 | 2.2 | 2 | " | 2 | " | 1 | 1 | 200 | 1.75 |
| Wm. Robinson..... | " | 50 | " | " | 25 | 2.4 | 2 | " | 2 | " | 1 | 1 | 130 | 1.75 |
| Otto Yeap..... | " | 200 | " | " | 50 | 2.4 | 2 | " | 2 | " | 1 | 1 | 600 | 1.75 |
| Thomas Dodds..... | " | 50 | " | " | 50 | 2.4 | 2 | " | 2 | " | 1 | 1 | 130 | 1.75 |

| Prendell and Clark..... | Buehnell..... | 100 Drift.. | Hand.. | 50 | 3 4 | 1 | P-B | Net'l | 5 | 5 | 5 | 100 | ..... | ..... | 1 25 | 1 50 | 1,000 | 1 75 |
|-------------------------|--------------------|-------------|---------|-------|-------|-------|-------|-------|-----|-----|----|-------|-------|-------|----------|--------|---------|------------|
| Peter Whalen..... | Colchester..... | 500 Shaft.. | Horse.. | 27 | 3 6 | 2 | .. | 2 | 3 | 3 | 2 | 120 | ..... | ..... | 1 25 | 1 50 | 600 | 2 00 |
| George Miller..... | "..... | 100 Drift.. | Hand.. | 30 | 3 6 | 2 | .. | 2 | 3 | 3 | 2 | 100 | ..... | ..... | 1 25 | 1 50 | 280 | 1 75 |
| Charles Miller..... | "..... | 400 Shaft.. | Horse.. | 30 | 3 4 | 2 | .. | 2 | 3 | 3 | 2 | 60 | ..... | ..... | 1 25 | 1 50 | 120 | 1 75 |
| Jas. Roberts & Son..... | "..... | 150 Shaft.. | Horse.. | 50 | 3 4 | 2 | .. | 2 | 3 | 3 | 2 | 50 | ..... | ..... | 1 25 | 1 50 | 500 | 1 75 |
| Joseph Dodds..... | Blandinsville..... | 100 Drift.. | Hand.. | 50 | 3 6 | 1 | .. | 2 | 1 | 3 | 2 | 40 | ..... | ..... | 1 25 | 1 50 | 600 | 3 50 |
| R. Harvey..... | "..... | 50 .. | .. | 50 | 2 6 | 1 | .. | 2 | 2 | 4 | 2 | 120 | ..... | ..... | 1 25 | 1 50 | 50 | 3 50 |
| John Meyers & Co..... | Colchester..... | 100 .. | .. | 40 | 2 4 | 2 | .. | 2 | 2 | 2 | 2 | ..... | ..... | ..... | 1 25 | 1 50 | 927 | 1 75 |
| Totals..... | ..... | \$48,300 | ..... | ..... | ..... | ..... | ..... | ..... | 405 | 628 | 71 | 6,965 | ..... | 1 | 5 \$1 27 | \$1 50 | 113,987 | \$1 63 3/4 |

MARSHALL COUNTY—1894.

| Name of firm, company or individual operating mine. | Town or post-office nearest the mine. | Capital employed. | CHARACTER OF PLANT. | | | | EMPLOYEES. | | | | PRODUCT. | | | | | | | | | | |
|---|---------------------------------------|-------------------|----------------------------|----------------------------------|---------------------------------------|---|-----------------------------|--|------------------------------|---|---|--------------|--|--|--|----------------------------------|---|--|--------------|---|---|
| | | | Drift, slope or shaft..... | Steam, horse or hand-power | Depth of coal below the surface | Thickness of coal—feet and inches | Geological No. of seam..... | Long-wall, or pillar and post workings | No. of places of egress | Ventilation, by fan, furnace or otherwise?..... | Number of miners employed Winter | Summer | No. of other employes, in and about mine | No. of days worked during the year | No. of kegs of powder used during the year | No. men killed during year | No. of men injured (so as to lose time) | Price per ton paid for mining. Winter | Summer | No. of tons of coal produced (including nut coal) | Average value of coal per ton at the mine |
| Wenona Coal Co..... | Wenona | \$30,000 | Shaft..... | Steam. | 555 | 28 | 2 | L-W. | 1 | Jet. | 65 | 20 | 225 | 3 | 1 | 2 | \$1 15 | 90 | 14,500 | \$1 55 | |
| Charles Savill | Spartand | 75 | Drift.. | Hand. | 60 | 3 6 | 7 | P-R. | 1 | Nat'l | 1 | 1 | 60 | 1 | 1 | 1 | 1 00 | | 48 | 1 50 | |
| David Mathias | " | 75 | " | " | 50 | 3 6 | 7 | " | 1 | " | 1 | 1 | 100 | 1 | 1 | 1 | 1 00 | | 160 | 1 50 | |
| John Davis | " | 50 | " | " | 50 | 3 6 | 7 | " | 1 | " | 1 | 1 | 120 | 1 | 1 | 1 | 1 00 | | 120 | 1 50 | |
| R. M. Frisbie | " | 150 | " | " | 60 | 3 6 | 7 | " | 1 | " | 1 | 1 | 130 | 1 | 1 | 1 | 1 00 | | 400 | 1 50 | |
| W. M. Osborne | " | 100 | " | " | 100 | 3 6 | 7 | " | 1 | " | 3 | 1 | 300 | 60 | 1 | 1 | \$1 00 | | 1,900 | 1 50 | |
| Hoadley & Osborne | " | 50 | " | " | 60 | 3 6 | 7 | " | 1 | " | 2 | 1 | 60 | 1 | 1 | 1 | 1 00 | | 160 | 1 50 | |
| John Daniels | Henry | 50 | " | " | 175 | 3 6 | 7 | " | 1 | " | 3 | 1 | 70 | 12 | 1 | 1 | 1 00 | | 400 | 1 50 | |
| William Bough | " | 300 | " | " | 100 | 4 | 7 | " | 1 | " | 2 | 1 | 60 | 1 | 1 | 1 | 1 00 | | 400 | 1 50 | |
| William Horrocks | " | 200 | " | " | 100 | 3 6 | 7 | " | 1 | " | 2 | 1 | 300 | 24 | 1 | 1 | 1 00 | | 820 | 1 50 | |
| John McRadden | " | 200 | " | " | 50 | 4 6 | 7 | " | 1 | Fur.. | 1 | 1 | 220 | 54 | 1 | 1 | 1 55 | | 1,648 | 1 75 | |
| James Thompson | " | 50 | Shaft..... | Horse. | 50 | 3 6 | 7 | " | 1 | " | 3 | 1 | 20 | 1 | 1 | 1 | 1 00 | | 20 | 1 50 | |
| Joseph Caley | " | 60 | Drift.. | " | 50 | 3 6 | 7 | " | 1 | " | 1 | 1 | 100 | 1 | 1 | 1 | 1 00 | | 160 | 1 50 | |
| John Kenney | " | 40 | " | " | 50 | 4 | 7 | " | 1 | " | 1 | 1 | 120 | 1 | 1 | 1 | 1 00 | | 260 | 1 50 | |
| E. P. Porter | " | 40 | " | " | 40 | 3 6 | 7 | " | 1 | " | 2 | 1 | 90 | 8 | 1 | 1 | 1 00 | | 80 | 1 50 | |
| W. C. Loperman | " | 40 | " | " | 50 | 3 6 | 7 | " | 1 | " | 1 | 1 | 90 | 1 | 1 | 1 | 1 00 | | 260 | 1 50 | |
| Timothy Mansell | " | 40 | " | " | 50 | 3 6 | 7 | " | 1 | " | 1 | 1 | 90 | 1 | 1 | 1 | 1 00 | | 260 | 1 50 | |
| Totals | | \$32,280 | | | | | | | | | 72 | 108 | 21 | 2,025 | 161 | 1 | 4 | \$0 94 | | 21,576 | \$1 51 |

ROCK ISLAND COUNTY—1884.

| Name of firm, company or individual operating mine. | Town or post-office nearest the mine. | Capital employed. | CHARACTER OF PLANT. | | | | | | EMPLOYERS. | | | | PRODUCT. | | | | | |
|---|---------------------------------------|-------------------|----------------------------|---------------|-----|-----|---|-------|------------|----------|-----|-----|----------|-------|-------|--------|---|--|
| | | | Drift, slope or shaft..... | Shaft. Steam. | 80 | 4.6 | 1 | P. R. | 2 | 2 Fur. | 100 | 250 | 1,200 | 3 | 85 | \$0 85 | No. of tons of coal produced (including nut coal) | Average value of coal per ton at the mine..... |
| Taylor Williams..... | Rapid City..... | \$100,000 | Shaft..... | Steam..... | 104 | 4 | 1 | " | 2 | 2 Fur. | 13 | 90 | 15 | 1 | 85 | \$0 85 | 46,500 | \$2 00 |
| Glachrist & Co..... | " | 15,000 | " | " | 35 | 2.4 | 1 | " | 2 | 2 Nat'l | 16 | 110 | 15 | 1 | 1 00 | 1 00 | 3,000 | 2 00 |
| Battig & Moser..... | " | 500 | " | " | 80 | 4 | 1 | " | 2 | 2 Kan. | 16 | 170 | 185 | 1 | 1 00 | 1 00 | 500 | 2 12 |
| Taylor Williams..... | Hampton..... | 30,000 | " | Steam. | 63 | 3.6 | 1 | " | 2 | 2 S. Jet | 20 | 225 | 75 | 1 | 87½ | 1 00 | 8,450 | 1 75 |
| Heagy & Stoddard..... | " | 20,000 | " | " | 80 | 4 | 1 | " | 1 | 1 Fur. | 12 | 20 | 230 | 15 | 87½ | 1 00 | 8,200 | 1 75 |
| Slivis Brothers..... | Carbon Cliff..... | 5,000 | " | Horse. | 56 | 3.6 | 1 | " | 1 | 1 Nat'l | 19 | 10 | 80 | 140 | 1 06 | 1 25 | 6,831 | 2 00 |
| Everka Mining Co..... | Moline..... | 25,000 | " | " | 80 | 3 | 1 | " | 2 | 2 Kan. | 6 | 16 | 300 | 120 | 1 00 | 1 00 | 1,170 | 1 75 |
| Bayley Davenport..... | Rock Island..... | 6,000 | " | Steam. | 60 | 3.6 | 1 | " | 2 | 2 Nat'l | 2 | 11 | 200 | 115 | 1 00 | 1 00 | 5,000 | 1 25 |
| Bowles & Wotherspoon..... | Bowlesburg..... | 1,000 | Slope | Mule..... | 56 | 3.6 | 1 | " | 2 | 2 Fur. | 21 | 30 | 25 | 1 | 88½ | 88½ | 4,729 | 1 75 |
| William Allison..... | " | 1,000 | " | " | 40 | 3.6 | 1 | " | 2 | 2 Fur. | 15 | 26 | 15 | 1 | 88½ | 88½ | 2,600 | 1 75 |
| Mansill, Battersby & Seville..... | Coal Valley..... | 60,000 | Shaft..... | Steam. | 30 | 4 | 1 | " | 2 | 2 Fur. | 2 | 5 | 180 | 5 | 80 | 80 | 7,482 | 2 00 |
| Mansill, Battersby & Seville..... | Coal Valley..... | 200 | Drift..... | Mule..... | 30 | 3.6 | 1 | " | 2 | 2 Nat'l | 2 | 2 | 200 | 6 | 1 00 | 1 00 | 8,225 | 2 00 |
| John Pryce..... | " | 50 | " | Hand..... | 25 | 4.6 | 1 | " | 2 | 2 Nat'l | 1 | 2 | 200 | 6 | 85 | 85 | 250 | 1 75 |
| D. L. Edwards..... | " | 45 | " | " | 30 | 4 | 1 | " | 2 | 2 Nat'l | 1 | 2 | 200 | 6 | 85 | 85 | 90 | 1 50 |
| Joseph Garland..... | " | 50 | " | " | 30 | 4 | 1 | " | 2 | 2 Nat'l | 1 | 30 | 30 | 100 | 80 | 80 | 100 | 1 75 |
| William Moss..... | " | 50 | " | " | 15 | 4 | 1 | " | 2 | 2 Nat'l | 2 | 100 | 140 | 100 | 1 25 | 1 25 | 40 | 1 90 |
| Thomas Murphy..... | " | 50 | Slope | Horse..... | 60 | 2.6 | 1 | " | 2 | 2 Nat'l | 2 | 2 | 250 | 140 | 1 00 | 1 00 | 300 | 2 00 |
| Joseph Sackville..... | " | 200 | Drift..... | Hand..... | 30 | 3 | 1 | " | 2 | 2 Nat'l | 2 | 2 | 250 | 140 | 1 00 | 1 00 | 320 | 2 00 |
| Patrick McGarry..... | " | 60 | " | " | 42 | 3 | 1 | " | 2 | 2 Nat'l | 2 | 2 | 250 | 140 | 1 00 | 1 00 | 480 | 2 00 |
| Fred Vonach..... | Milan..... | 300 | " | " | 70 | 3 | 1 | " | 2 | 2 Nat'l | 2 | 2 | 240 | 240 | 1 00 | 1 00 | 720 | 2 00 |
| Jacob Devore..... | " | 2,000 | Shaft..... | Horse..... | 70 | 8 | 1 | " | 2 | 2 Nat'l | 213 | 311 | 90 | 3,855 | 2,104 | 4 | 104,643 | \$1 94 |
| Totals..... | | \$355,455 | | | | | | | | | | | | | | | | |

STARK COUNTY—1884.

| Name of firm, company or individual operating mine. | Town or post-office nearest the mine. | Capital employed. | CHARACTER OF PLANT. | | | | | | | EMPLOYEES. | | | | | PRODUCT. | | |
|---|---------------------------------------|-------------------|-----------------------------|----------------------------------|---|---|----------------------------|---|-----------------------------|---|--------------------------------|--|--|--|----------------------------------|---|--|
| | | | Drift, slope or shaft | Steam, horse or hand-power | Depth of coal below the surface—feet..... | Thickness of coal—feet and inches | Geological No. of seam.... | Long-wall, or pillar and room workings..... | No. of places of egress.... | Ventilation, by fan, furnace or otherwise?..... | Number of miners employed..... | No. of other employees in and about the mine | No. of days worked during the year | No. of kegs of powder used during the year | No. men killed during year | No. of men injured (so as to lose time) | No. of tons of coal produced (including nut coal)..... |
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SCHUYLER COUNTY—1884.

| Name of firm, company or individual oper- ating mine. | Town or post- office nearest the mine. | Capital em- ployed. | CHARACTER OF PLANT. | | | | | | | | | | EMPLOYES. | | | | | PRODUCT. | | | |
|---|--|---------------------------|----------------------------|-------------------------------------|--|---|-----------------------------|--|------------------------------|--|------------------------------------|--------------|---|--|--|---------------------------------|---|--------------------------------------|--------------|-------------|--|
| | | | Drift, slope or shaft..... | Steam, horse or hand- power..... | Depth of coal below the surface—feet..... | Thickness of coal—feet and inches..... | Geological No. of seam..... | Long-wall, or pillar and room workings..... | No. of places of egress..... | Ventilation, by fan, furnace or otherwise?..... | Number of miners employ'd | Winter | No. of other employees, in and about mine..... | No. of days worked during the year..... | No. of kegs of powder used during the year..... | No. men killed during year..... | No. of men injured (so as to lose time)..... | Price per ton paid for mining. | Winter | Summer..... | No. of tons of coal pro- duced (including nut coal) | Average value of coal per ton at the mine..... |
| Porter & Lawrence | Ray..... | \$250 | Drift.. | Hand.. | 40 | 2 6 | 2 | P-R. | 2 | Nat'l | 7 | 7 | 1 | 230 | ..... | ..... | ..... | \$1 00 | 1 00 | 2,880 | \$2 00 |
| Pemberton Bros. | Ray..... | 250 | Drift.. | Hand.. | 40 | 2 6 | 2 | .. | .. | .. | 3 | 3 | 2 | 280 | ..... | ..... | ..... | 1 00 | 1 00 | 1,295 | 2 00 |
| John Karr | Rushville..... | 300 | Shaft. | Horse. | 35 | 5 | 5 | .. | .. | .. | 2 | 2 | 1 | 150 | 37 | ..... | ..... | 75 | 75 | 1,200 | 1 50 |
| Munroe & Karr | Rushville..... | 2,000 | Shaft. | Horse. | 45 | 5 | 5 | .. | .. | .. | 4 | 8 | 3 | 240 | 114 | ..... | ..... | 75 | 75 | 4,000 | 1 50 |
| Work Bros..... | Rushville..... | 6,000 | Slope | Horse. | 20 | 4 6 | 5 | .. | 2 | Fur. | 20 | 20 | 4 | 100 | 100 | ..... | ..... | 75 | 75 | 3,500 | 1 50 |
| Totals..... | ..... | \$8,800 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 14 | 40 | 7 | 1,050 | 251 | ..... | ..... | \$0 92 | \$0 85 | 12,876 | \$1 65 1/4 |

WARREN COUNTY—1884.

| Name of firm, company or individual operating mine. | Town or post-office nearest the mine. | Capital employed. | CHARACTER OF PLANT. | | | | EMPLOYEES. | | | | PRODUCT. | | | | | | | | | |
|---|---------------------------------------|-------------------|----------------------------|---------------------------------|---|--|----------------------------|---|------------------------------|---|---|--|---|---|---------------------------------|--|--|---|--|--------|
| | | | Drift, slope or shaft..... | Steam, horse or hand-power..... | Depth of coal below the surface—feet..... | Thickness of coal—feet and inches..... | Geological No. of seam.... | Long-wall, or pillar and room workings..... | No. of places of egress..... | Ventilation, by fan, furnace or otherwise?..... | Number of miners employed Winter..... Summer..... | No. of other employees, in and about mine..... | No. of days worked during the year..... | No. of kegs of powder used during the year..... | No. men killed during year..... | No. of men injured (so as to lose time)..... | Price per ton paid for mining. Winter..... Summer..... | No. of tons of coal produced (including nut coal) | Average value of coal per ton at mine..... | |
| John Smecock..... | Alexis..... | \$1,000 | Shaft..... | Horse..... | 45 | 4 | 1 | P-R..... | 2 | Fur..... | 2 | 1 | 1 | 6 | 1 | 240 | 35 | \$0 87½ | 4,800 | \$1 75 |
| William Cook..... | "..... | 800 | Drift..... | Mule..... | 30 | 3 | 1 | "..... | 4 | "..... | 1 | 4 | 1 | 3 | 1 | 120 | 6 | 94 | 600 | 1 75 |
| W. L. Miller..... | "..... | 500 | Drift..... | Hand..... | 20 | 3 | 1 | "..... | 5 | "..... | 5 | 1 | 1 | 10 | 1 | 180 | | 1 13½ | 720 | 3 00 |
| John A. Gordon..... | Roseville..... | 1,500 | Shaft..... | Steam..... | 40 | 2 | 2 | "..... | 1 | "..... | 1 | 1 | 1 | 1 | 1 | 250 | | 1 50 | 1,024 | 2 25 |
| Thomas Lee..... | "..... | 100 | Slope..... | Hand..... | 10 | 2 | 2 | "..... | | Nat'l | | 4 | 1 | 4 | 1 | 110 | | 1 75 | 216 | 2 50 |
| Elquist Bros..... | "..... | 100 | "..... | "..... | 20 | 2 | 2 | "..... | | "..... | | 2 | 2 | 2 | 2 | 60 | | 1 75 | 120 | 2 50 |
| J. V. White..... | "..... | 100 | "..... | "..... | 30 | 2 | 2 | "..... | | "..... | | 3 | 2 | 3 | 3 | 120 | | 1 75 | 400 | 2 50 |
| George Farrer..... | "..... | 40 | "..... | "..... | 20 | 2 | 2 | "..... | | "..... | | 2 | 2 | 2 | 2 | 80 | | 1 75 | 120 | 2 50 |
| J. W. Borton..... | Swan Creek..... | 150 | "..... | "..... | 50 | 2 | 6 | "..... | 1 | "..... | 1 | 4 | 2 | 4 | 2 | 200 | | 1 75 | 500 | 2 50 |
| Joseph Simpson..... | "..... | 40 | "..... | "..... | 60 | 2 | 2 | "..... | | "..... | | 3 | 2 | 3 | 3 | 120 | | 1 75 | 240 | 2 50 |
| Thomas Wearmouth..... | Youngstown..... | 100 | Drift..... | "..... | 30 | 2 | 2 | "..... | | "..... | | 2 | 2 | 2 | 2 | 120 | | 1 75 | 150 | 2 50 |
| Robinson Wilson..... | "..... | 50 | "..... | "..... | 60 | 2 | 2 | "..... | | "..... | | 3 | 2 | 3 | 3 | 100 | | 1 75 | 200 | 2 50 |
| Alfred Bomine..... | "..... | 50 | "..... | "..... | 40 | 2 | 2 | "..... | 1 | "..... | 1 | 3 | 2 | 3 | 3 | 175 | | 1 75 | 200 | 2 50 |
| Thomas Lee..... | "..... | 50 | Slope..... | Horse..... | 25 | 2 | 2 | "..... | | "..... | | 2 | 2 | 2 | 2 | 160 | | 1 75 | 40 | 2 50 |
| Horace Wallace..... | "..... | 100 | Drift..... | Hand..... | 34 | 2 | 2 | "..... | 2 | "..... | 2 | 3 | 2 | 3 | 3 | 120 | | 1 75 | 320 | 2 50 |
| Joseph Wilcox..... | "..... | 75 | "..... | "..... | 30 | 2 | 6 | "..... | 4 | "..... | 4 | 7 | 1 | 7 | 1 | 170 | | 1 12 | 1,424 | 1 85 |
| John Selkirk..... | Monmouth..... | 400 | Shaft..... | Horse..... | 30 | 2 | 2 | "..... | 5 | "..... | 5 | 3 | 5 | 3 | 3 | 200 | | 1 25 | 1,900 | 1 85 |
| William Johnson..... | "..... | 300 | "..... | "..... | 26 | 2 | 2 | "..... | 5 | "..... | 5 | 5 | 1 | 5 | 1 | 180 | | 1 37 | 1,310 | 2 00 |
| Thomas Hubbard..... | "..... | 200 | "..... | "..... | 32 | 2 | 2 | "..... | 3 | "..... | 3 | 5 | 1 | 5 | 1 | 150 | | 1 50 | 1,000 | 2 00 |
| John Rogers..... | "..... | 50 | Drift..... | Hand..... | 32 | 2 | 2 | "..... | 1 | "..... | 1 | 2 | 1 | 2 | 1 | 200 | | 1 50 | 200 | 2 00 |
| Dan B. Packard..... | "..... | 250 | Shaft..... | Horse..... | 32 | 2 | 2 | "..... | 2 | "..... | 2 | 6 | 1 | 6 | 1 | 220 | | 1 25 | 1,200 | 2 00 |
| William Moler..... | Kirkwood..... | 350 | "..... | "..... | 25 | 2 | 2 | "..... | 7 | "..... | 7 | 1 | 1 | 1 | 1 | 180 | | 1 50 | 1,000 | 2 00 |
| Totals..... | | \$6,295 | | | | | | | 92 | | 26 | 7 | 51 | | | 3,465 | | \$1 83 | 17,224 | \$1 98 |

RECAPITULATION BY COUNTIES.

| Counties. | Capital em- ployed. | No. of mines local | No. of mines shipping coal | No. of mines | Acreage | Kinds of power employed | Kinds of openings. | Modes of working coal, pillar and room, long wall, single and double entry. | No. of miners and other employees. | Average No. of days worked.. | | No. of men injured so as to lose time..... | No. of men killed..... | No. of kegs of powder used.... | Average price per ton for mining. | No. of tons of coal produced, including nut..... | Average price of coal per ton at the mines..... | No. of mines with escapement shaft..... | No. of mines without escape- ment shaft..... | Kinds of power used for venti- lation. | Number..... | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| | | | | | | | | | | Miners, winter..... | Miners, summer..... | | | | | | | | | | Double entry | Single entry | Long wall... | Pillar and room..... | Drift..... | Slope..... | Shaft..... | Hand power. | Horse power | Steam..... | Fan..... | Furnace..... | Steam jet..... | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Bureau..... | \$239,700 | 1,678 | 18 | 2 | 16 | 3 | 14 | 1 | 13 | 4 | 1 | 13 | 4 | 1 | 16 | 2 | 13 | 10 | 5 | 2 | 3 | 8 | 2 | 3 | 8 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | |

THIRD DISTRICT.

MR. J. S. LORD, *Secretary of the Bureau of Labor Statistics of Illinois:*

SIR—As required by law, I herewith submit my first annual report as Inspector of Mines for the Third Inspection District of Illinois.

In preparing statistics of the amount of coal produced during the year, I have endeavored to obtain returns from all companies and individuals operating mines in the territory to which I have been assigned, but in some instances have failed to secure as complete and satisfactory figures as I could have wished. In such cases I have had recourse to my note-book, in which I have kept very full memoranda, so that the facts as stated will be very nearly correct—decidedly more so than those heretofore furnished your office. Owing to the sudden depression in the coal trade last November and December, I had expected this district would fall greatly behind last year's record, especially as the amounts reported last year were in many cases largely in excess of the amounts actually produced. Another cause operating against the output of this district has been the fact that operators in adjoining districts, by the use of wider and longer screens, and by getting their coal mined for lower prices, have been able to make serious inroads upon the trade which has heretofore been enjoyed by producers in this district.

I have been requested by both operators and miners to recommend the passage of a law regulating the dimensions of screens, and the width between screen bars, so as to secure uniformity of practice in this respect throughout the State. This would certainly be very desirable, but the enactment of such a law would be of no practical benefit to miners as long as they consent to become parties to special agreements for the evasion of the law.

That the output of coal for this district has not fallen short of that reported for last year, but rather shows an increase of 241,610 tons, is to be accounted for in two ways: First, the canvass of the territory has been more thorough than ever before, thus bringing many small mines into the list which had not before been reached; and, second, there has been an increase in the demand, arising from new manufacturing and transportation enterprises. By the more careful inspection of the district than my predecessors, the county inspectors, were able to give it, I am enabled to report 64 small mines and 16 stripping places in addition to those reported last year, making the total number embraced in this report 156, as against 92 given in the report for 1883.

As to their condition, I found it good in many instances, especially among the larger mines. It was not unusual to find more than the standard amount of air in the main entries, yet a deficiency at the working places, owing to neglect in the matter of turning the current up into the rooms. I have made constant effort to have this remedied, though with only partial success. I found miners frequently suffering from carbonic oxide immediately after blasting, and subject to long delays waiting for the smoke to be carried off from working places, while there might be a good enough volume of air in the main passages; and of course this state of things was proportionately aggravated where the volume was deficient everywhere. My observation and experience have convinced me that the legal standard of air should be increased from 30 to 50 per cent. Mines which are extensively worked, and have long and tortuous air courses, generate so many deleterious gases that a more powerful current is required to dissipate them than in newer mines. All authorities agree that mines, under the most favorable conditions, require at least 100 cubic feet of air passing per minute for each man, in order to maintain a good sanitary condition, and that, under certain circumstances, such as indicated, the necessity is equally great for as much as 400 or 600 feet per man per minute. I have measured the volume of air in some main entries where over 150 feet were passing per minute, or 50 feet more than the law in this State requires, yet it was so impregnated with noxious gases that it was not fit to work in. When it is considered that in 156 mines in this district over 40,000 kegs of powder are annually consumed, the combustion of which exhausts over 700,000,000 cubic feet of atmospheric air, which must be replaced, and that a large percentage of carbonic oxide has also to be diffused and rendered harmless, the necessity of increasing the amount of air required by law is apparent.

My attention has also been called to the evils of the company or truck-store system. Miners complain that they are compelled, directly or indirectly, to trade in them, at a disadvantage to themselves. I have endeavored to obtain lists of prices from these and other stores, in order to make comparisons, and upon which to base some statement as to the actual workings of the system, but have failed to obtain the necessary facts. Mine owners who have no stores also regard the system with disfavor, as the profits from the sale of supplies to the men enable their competitors to undersell them in the market. This is a matter of importance to many men, though it is entirely outside of the jurisdiction or cognizance of the inspector.

As a result of my labors in this field during the year, there have been nine ventilating fans constructed at important mines, which makes twelve in all now in operation in this district, there having been only three when I came on duty. More will be introduced shortly, as their manifest advantages over the furnace, both for their economy and efficiency, are being more fully recognized. They were objected to mainly, at first, on account of their costliness, but some trials have been made of a fan manufactured at Brazil, Indiana, combining good service with comparatively small cost, which have proved eminently satisfactory. I have also effected the construction of three improved furnaces for the better ventilation of mines.

In the matter of escapement shafts, I have ordered the sinking of 55 in different parts of the district, 30 of which have been completed, and perhaps more—the facts in regard to the remainder not having been as yet ascertained.

During my term in this district I have applied for four injunctions against mine-owners to compel compliance with the law, but have only carried suit into court in one instance. The others having complied with the requirements of the law, I suspended legal proceedings, my object being to secure the desired improvements with as little injury to the business of the operator, and as little loss of time to the men, as possible.

Upon entering on my duties I notified the miners to comply with the law in regard to the use of copper needles and copper-tipped tamping bars. Many of them did so, but others objected, and neglected to provide themselves with the safer implements, on the ground of their inability to buy them. When satisfied by personal enquiry that men could not purchase the new tools without suffering privations or incurring debt, I did not insist upon it, though I am in favor of the law, and regard it as a measure wholly in the interest of safety to miners.

There have been but three strikes in my district during the year, of which I have had knowledge. One was at Petersburg, Menard county, for an advance in wages, which lasted 27 days, and resulted in the company's conceding the demand. One in Athens, in the same county, was adjusted by arbitration. The other was in Peoria, and lasted four or five weeks. It was against a reduction of a half a cent a bushel, and the men finally yielded, though they did not at once resume work. An effort was made on the part of the owners to prevent certain of the strikers resuming work, which led to a good deal of ill feeling, and resulted finally in the organization of a co-operative company by the discharged men. About forty of them opened a drift in the vicinity, and if they succeed in securing railroad facilities, will doubtless do their share of the business in that section this winter. This strike did not affect the coal production of the district materially, as the supply was kept up by other mines in the vicinity.

Although it does not properly belong in this year's report, I will take occasion to mention here a serious explosion of fire-damp at the No. 5 shaft of the Grape Creek colliery, Vermilion county, on the 17th of August. The mine is just being opened, and the working places were consequently near the bottom of the shaft. The works below were well laid out, the connections all perfect, and a 7-foot Murphy fan in position at the top. Owing to the limited area below, and the ease with which ventilation could be established, it had been the practice to stop the fan when the men came out Saturday night, and start it again Monday morning. Sunday, the 17th of August, R. S. Cotton, in charge of the pumps, observing that the discharge of water was unaccountably muddy, determined to go down the shaft to look into the matter, and asked a friend, C. A. Morrison, to go down with him. They descended by the ladders, and while proceeding along the entry, at a distance of about 175 feet from the bottom, their open lights ignited the gas,

causing an explosion which instantly killed Cotton, and inflicted injuries upon Morrison from which he died on the third day thereafter. A trace of fire-damp had previously been observed by the pit-boss, but it was so slight that it was not considered a cause for any uneasiness. The presumption is that a discharge of gas from some crevice in a fault through which they were mining, had taken place, filling the spaces after the suspension of work Saturday night. If the fan had been kept running continuously, no such accumulation could have taken place; but unless a mine is known to generate fire-damp, which is exceptional in the mines of this State, or has been worked so extensively as to require a constant current to save delays in resuming work, no fans or furnaces are kept going during Sunday. Moreover, it was not expected or required of Mr. Cotton that he should go through the mine, though men with a similar charge frequently do so.

Mr. Beattie, the manager, is an intelligent, careful man, who takes a professional pride in correct mining, and in exact compliance with the law, and he has a class of efficient subordinates, of whom Mr. Roberts, of No. 5, is especially competent.

This accident, however, should establish the importance of maintaining a constant current, by fan or furnace, in all mines where fire-damp may be expected.

I present the following statistical summary for the district:

| COUNTIES. | Number of mines. | No. of MINERS | | No. of other employees..... | No. days worked.. | No. kegs of powder used..... | No. men killed.... | No. men injured.. | No. tons of coal produced..... |
|-----------------|------------------|---------------|-------------|-----------------------------|-------------------|------------------------------|--------------------|-------------------|--------------------------------|
| | | Summer..... | Winter..... | | | | | | |
| Cass..... | 2 | 14 | 28 | 7 | 500 | 196 | | 2 | 3,426 |
| Strippings..... | 3 | | | | | | | | |
| Fulton..... | 34 | 375 | 725 | 129 | 4,806 | 6,989 | | 5 | 28,431 |
| Logan..... | 4 | 110 | 184 | 57 | 823 | 6,040 | 1 | 1 | 114,800 |
| McLean..... | 1 | 225 | 235 | 75 | 304 | 75 | | 3 | 125,000 |
| Menard..... | 1 | 196 | 361 | 64 | 1,937 | 5,889 | 1 | 4 | 151,749 |
| Peoria..... | 64 | 565 | 1,108 | 150 | 8,700 | 15,583 | | 4 | 444,915 |
| Tazewell..... | 8 | 40 | 98 | 13 | 1,307 | 1,255 | | 2 | 53,550 |
| Strippings..... | 13 | | | | | | | | |
| Vermilion..... | 35 | 832 | 1,294 | 233 | 3,765 | 11,903 | 9 | 16 | 630,806 |
| Woodford..... | 2 | 215 | 290 | 108 | 455 | 170 | 1 | 5 | 129,000 |
| Totals..... | 156 | 2,572 | 4,253 | 836 | 22,797 | 41,960 | 12 | 42 | 1,925,718 |
| Strippings..... | 16 | | | | | | | | |

Output for 1883..... 1,684,108
Increase..... 241,610

One man killed for every 160,476 tons mined.

One man injured for every 45,850 tons mined.

One accident for every 35,611 tons mined.

Some of these accidents were clearly unavoidable. Others were the result of carelessness, and a disposition to take too many risks on the part of the victims. This is a matter difficult to control, and to prevent which requires the utmost vigilance on the part of underground managers.

I submit herewith memoranda from my note-book in regard to the condition of individual mines, and my action in regard to required improvements.

Very respectfully,

JAMES P. CUMMING, *Inspector.*

FULTON COUNTY.

Fulton county has had 84 mines in operation during the year, whose total output has been 298,481 tons of coal. The following are some of the more important and better managed mines:

EMERSON & Co.—ASTORIA.

The mines of this firm are in excellent condition; have two escape-ments, straight, well-driven entries, and 152 feet of air per man, and 600 feet for each mule in the workings. The only suggestion made was to have the air kept well up to the working faces by the use of additional screens or doors.

TAYLOR WILLIAMS—ST. DAVID.

This mine was lately purchased by the present owner, in poor condition, but permanent improvements were at once undertaken. A second hoisting shaft and new escapement has been sunk, and a small fan, which was only furnishing 40 cubic feet of air per man per minute, has been replaced by an 8-foot fan, which will doubtless afford abundance of air to the men employed.

THE WYMAN COAL Co.

This place was in fair condition as to ventilation in winter, but in summer no circulation was obtained at all. Directed a furnace to be constructed, which was promised. The slope was strongly timbered, but instead of setting the timbers perpendicular to the pitch, they had placed them so as to incline up hill, so that their power to resist pressure was very much diminished. The foreman's attention was called to the fact, and I should have ordered a change in the timbering had there not been several other places of egress to the men.

Heald's mine was in good condition.

JAMES STIRRAT'S MINE—CUBA.

This place is in good condition. The top works were burned down in the summer, but have since been rebuilt.

UNION COAL Co.—CUBA.

This mine had the required amount of air in circulation, but owing to the defective manner of laying out the works, with wide entries and long air-courses, the air was strongly impregnated with fire-damp. They had a furnace in the air-shaft, and their buildings

were all crowded over the top of the shaft. I instructed them to change furnace to the main shaft, and make changes in the air current, which was done. They also covered their cages.

WM. RUTHERFORD'S MINE, NEAR CUBA.

At this place they are working both the No. 5 and No. 6 seams. No. 5 is well ventilated, but No. 6 had no return air course, and the air was soft. I instructed him to put down escapement shaft, which was done at once, and which furnished the necessary return for the air.

EAGLE COAL COMPANY, NEAR CUBA.

No. 1—drift—was in fair working condition, though they had only single entries, and the cross entries were simple roadways cut across the face of the working rooms. The result was the drift was lost for want of adequate support.

No. 2—drift—was never in better condition, with good ventilation.

P. C. CHAPMAN, FARMINGTON.

This place has been worked for over eleven years, on the single entry system, and affords a good illustration of that method of working. They drive their entries fifty yards apart, and start their rooms twenty feet wide. Of course it is difficult to make any effectual stoppings for such openings as these, and consequently difficult to carry any volume of air unimpaired through the air-courses. Several measurements showed, for the first split, a leakage or loss of 1,232 cubic feet, and for the second a loss of 1,190 feet, and for another 986 feet, and so on. In one instance a current starting 141 cubic feet strong measured at the working face only forty-two feet per man per minute, all of which confirmed my opinion that the cost of making sufficient stoppings in such works as them, and of maintaining suitable ventilation, is quite as much as it would be to drive double entries and open up works on correct principles in the first place. I required more effective stoppings, and ordered new cage covers.

G. HINDSON, BREEDS.

Here are two drifts, one south and one north of the railway track.

That on the south has bad roof, making the coal difficult to work, but the other is in good shape, and supplied with good air.

Among the poorer mines are those of Engle, and of Battonburg & Dana, Astoria; Nicles of Ipavia, who was notified to retimber his shaft and sink escapement; Hulic, Felkill and Charles Walker, who have small knowledge of mining, and small regard for safety, comfort or the requirements of the law.

P. L. Canrod's place at Fiatt was poorly ventilated and badly managed. Ordered improvement in the ventilation, and the sinking of an escapement shaft.

Carpenter Lovejoy's mine was also in bad condition. Ordered escapement shaft and furnace.

Beacham's mine at Norris was poorly ventilated, but would be very much improved upon the completion of his escapement.

Vittum's mine, Norris, was very imperfectly timbered, and the lessee, Mr. Hart, was pushing the openings regardless of safety. Notified him to secure his shaft and sink an escapement shaft, which he refused to do. On my third visit I applied for an injunction to stop his working, but upon his agreement to go on with desired improvements I stayed proceedings.

PEORIA COUNTY.

In Peoria county the mines of the larger operators were generally in good working condition, as were also many of the smaller ones. Among the best regulated and equipped mines were those at Elmwood; the mines of Wantling & Howarth, Wilkinson, Kramm, Peter Grant, Joseph Collier, Chapman & Little, Walter Treasure, Newson Bros., J. J. McNeil, Bethard; at Lancaster, Hanna City Coal Co., Millard & Walschlog, James Monroe, John Gorman and Scholls.

Those are the best of the mines, all having over the legal amount of air in circulation on the main entries. All were instructed to turn the air up into the working rooms, but these instructions have as yet been very imperfectly carried out, and although plenty of air is in use, miners have trouble after blasting.

The Potts mine was also in good condition as to ventilation, but they will either have to increase their ventilating capacity, or change their system of working, as they drive 8-yard rooms for entries, and turn rooms from them, and it is impossible, with this system, to hold a current of air together for long distances. At the upcast there was 11,500 cubic feet of air, while at the farthest point to which the air was carried there was only 4,876 feet, showing a loss of 6,624 feet. Evident care is taken with the management of this property, but the system is wrong.

Among the worst of the smaller mines are those of Henry Vicory, at Pottstown, which exhibits the worst kind of management and ventilation, and the least practical knowledge of mining. He agreed to improve his ventilation, and to build his furnace so as to have the use of his air-shaft for an escapement. His mine on what is termed the "horse-shoe flats" is in somewhat better condition.

Another poor specimen of a mine is that operated by Wm. Nichols. There is no air in circulation, and no escapement. I instructed him and Mr. Woolen, agent, to procure a survey; and, upon examination of the plat, and finding there was less than two acres of coal remaining to be worked, authorized them to drive through and make connection with the workings of Millard and Walschlog, as otherwise they would have had to sink 120 feet for an escapement.

Dennis Mulligan's mine is another sample of hap-hazzard work, there being no system of entries or regular circulation of air. The works resemble a labyrinth, and at no point could a measurement of the air be taken except at the furnace. I left instructions to have a map of the mine made, and escapement constructed.

The worst of the lot of poorly-worked mines was that of F. Moon. There were no regular roadways, and no circulation of air. The timbering was very much rotted or fallen away, and had not been restored, and the only place of escape had been allowed to close in through neglect. It was certainly one of the most dangerous and shamefully neglected mines in the district. I directed the roadways to be retimbered, a correct map of the workings to be made, the ventilation to be brought up to the legal standard, and an escapement to be constructed before resuming operations.

All the small mines on Lamarsh creek are in poor condition, and with only one place of egress. I notified them all personally or by letter to make the necessary improvements, in compliance with the law.

LOGAN COUNTY.

The Lincoln Coal Mining Co., Lincoln, has been in operation over 15 years, and, until this spring, has had no escapement shaft. It is now, however, completed, and communication established with the hoisting shaft. The air in this mine was found very deficient, the supply being hardly sufficient for the mules alone. This state of things was, however, gradually improved under my directions, and on my last visit a fan was ordered, which is doubtless before this in operation, of sufficient capacity to ventilate the works properly.

The Citizens' Coal Mining Co., Lincoln, has a first class equipment, and a new mine, laid out now with double entries, and abundantly ventilated.

The Mt. Pulaski Coal Co. has been in operation only about a year. The seam is irregular, and difficult to work, owing to clay seams and "horsebacks." On this account the shaft was sunk to a lower seam, but it was not considered desirable to work it, and mining is continued in the upper seam. They have a fan, and the outfit and general condition is good.

McLEAN COUNTY.

THE McLEAN COUNTY COAL COMPANY—BLOOMINGTON.

The extensive mines of this company have been in operation seventeen years. Two seams are being worked, both on the long-wall principle, the upper one being 400 feet, and the lower one 5-1 feet below the surface. An inclined plane connects the two, and the coal from the upper seam is run down to the lower, and all coal is hoisted from the bottom of the shaft. The pit cars are hauled in and out by tail-rope, operated by a 60 horse-power engine, and 25 one-ton cars can be hauled at each trip. The system works

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well and is considered an economical method of hauling their very large output. They are producing from 500 to 700 tons per day, and have a capacity for 2,000 tons with their present equipment.

An eight-and-a-half-foot drum at the head of the inclined plane, between the two seams, is operated with double wire ropes to draw up the empty cars, and let down the loaded ones. Each one of the two cables is capable of holding 10 loaded one-ton cars, but only 5 are let down at once. The loads going down heave up the empty cars, and the drum is controlled by a simple lever-brake, so as to stop the loaded cars at will at any point on the incline.

The escapement shaft, recently completed, is 5x10 feet in dimensions, strongly timbered, and provided with stairways, hand-rails and convenient landings from the top to the bottom intersecting both seams. It is doubtless the most complete and costly escapement shaft in the State.

The works are ventilated by a 10-foot fan, which, driven at the rate of 65 revolutions per minute, was found to give 22,656 cubic feet of air; at the rate of 85 revolutions, 23,872 feet, and for 147 revolutions, 37,408 feet per minute. As their working force requires 22,000 feet per minute, the fan is kept at a speed of only 65 revolutions. They can not allow the whole of this current to circulate around the faces, the velocity being too great. About half of it is kept on the roadways, and swinging check-doors turn the air to the working faces at intervals, renewing the freshness of the current.

Mr. Radford, the underground manager, is preparing to split the current, which will further improve the character of the ventilation.

This is a model mine both in its construction, equipment and management, and deserves most favorable mention.

MENARD COUNTY.

The mines in this county are in very fair condition. One at Tallula has been abandoned this season.

J. C. Cabanas, Petersburg, has a mine which does not show the best of management, though it has more than the legal amount of air. He had no escapement shaft, but by changing the position of the furnace he was enabled to make use of his air-shaft as a place of egress.

T. F. Lanning, Petersburg. This mine has ventilation largely in excess of the legal requirement. At the upcast the volume was 13,000 feet for 56 men. They are introducing the single entry system here, driving with English brattice cloth until a given section is cut out.

THE PETERSBURG COAL COMPANY.

This company has a well appointed mine, employing over 100 men and six mules. Ventilation abundant. The coal is from six to seven feet thick, but it has a very variable top requiring considerable care and expense for timber. A commendable practice in this mine is the driving of a blind entry between each pair of cross

entries, as soon as they are worked out, to increase the ventilating facilities. By this means the air-courses are greatly shortened and improved. This company shows an evident desire to anticipate and keep in advance of legal requirements.

GREENVIEW COAL COMPANY.

This mine is in very fair condition and is worked on the double-entry system. It has enough air in circulation if properly conducted, but by using screens, for the most part in dilapidated condition, instead of doors, much of the air is wasted. Mr. Wadsworth, Superintendent, proposes to remedy this defect in the ventilation.

I had been informed that this company did not weigh the miners' coal and was requested to enforce the law in this respect. Believing it my duty to do so, I made an effort in that direction, but found that I was powerless in the matter, owing to the fact that the miners had entered into a special agreement with the company for the purpose of evading this provision of the law.

The Athens Coal Company has good ventilation, but their escapement is too small. Otherwise the place is all right.

An escapement has been sunk this year at the Sweetwater mine.

CASS COUNTY.

THE CASS COUNTY COAL COMPANY, ASHLAND.

This is a co-operative company composed of coal miners, who at great cost of labor have sunk a shaft 205 feet, only to find 30 inches of coal. They have no trade except to supply the local demand. The time has already expired in which they should have had an escapement, but I do not suppose they will be able to sink it.

THE VIRGINIA COAL AND WATER CO., VIRGINIA.

This company has a three-foot seam of good quality, which they are just opening, though not in good shape. If the workings were properly laid out on the long-wall system, and a market were secured, the property could be made to pay. An escapement was begun, but work was subsequently suspended because they could not secure railroad facilities for shipping. On my last visit only six miners were at work, merely for the purpose of keeping the place in workable condition, and I allowed them to continue while negotiations with the railroad company were pending.

TAZEWELL COUNTY.

This county has eight mines, though one of them—Vaglesang's, at Hilton,—has this year been worked out.

The principal mine is operated by D. M. Alexander, and has been worked for fourteen years. The air-courses are consequently

long, and although the amount of air passing was really up to the legal standard, it was impregnated with so much carbonic acid gas as greatly to impair its quality. The company, however, opened a new air-course, shortening the distance and improving the ventilation. They had no escapement shaft, but I induced them to order a fan and get the use of the air-shaft for place of egress. On my last visit they had only to attach the engine to the fan to have it in operation. This improvement will give them rank among the better class of mines.

Rundle & Gould's mine was found in good condition, but they had no escapement shaft. Subsequently they constructed a good one, with stairs and railings from top to bottom.

J. B. Ledterman's mine is poorly managed, though well ventilated. I had some trouble to get him to sink an escape shaft, being obliged to take legal proceedings. On my last visit, however, the new shaft was within ten feet of the coal.

Norman C. Hawley is working rather an old mine, fairly conducted, and well ventilated. The road to the escapement was blockaded, but subsequently cleaned-up. He enlarged and retimbered his hoisting shaft and covered his top buildings with corrugated iron, to render them fire proof. The only thing now wanting is a brake on the drum, which he has promised to put on.

Mr. Dissman's mine, four miles from Pekin, required retimbering at the bottom of the shaft, also an escape shaft. He put in the timbers and sunk the shaft.

G. Millard's shaft was frozen up last winter, and he informed me he should not attempt to do any more work that season. I instructed him to put in an escapement shaft before resuming operations.

Ruche Bros. only work a few men during the winter, but had good air and an escapement.

WOODFORD COUNTY.

THE CHICAGO AND MINONK COAL MINING CO., MINONK.

This company has been in operation for fifteen years. It has an extensive plant, a large business, and a deep shaft to a thin seam of good coal. This is generally considered the No. 2 seam, but I was informed by Mr. McDonald that two workable seams had been found below it, so that it may really prove to be No. 8. There were 258 men and 18 mules at work in this mine, and the ventilation was very defective. Several measurements of the air, both at the in-take and up-cast, disclosed the fact that the current was really barely sufficient for the animals. The stables were also placed at intervals along the in-take air-course, which still further impaired what feeble current there was in circulation. To remedy this condition of things, the company erected a ten-foot fan, driven by a 45 horse-power engine, and reversed the current. On a subsequent visit, I found 17,028 cubic feet of air passing, which was still further increased by enlarging the fan blades. An escape shaft had been

sunk, but was unavailable, as they had neither stairways nor hoisting apparatus in position. In compliance with my instructions, they put in suitable guides and a cage, and have made arrangements to attach the rope to the hoisting drum in case of emergency.

THE ROANOAKE MINING CO., ROANOAKE.

This company has a new enterprise, a good equipment, and rather poor prospects, as they have barely 90 inches of coal. I found their buildings at the pit-head all of wood, though within the limits requiring fire-proof buildings, and that they had no escapement; also that one of their ropes was only 51.8 inch.

After an interview with the company, I consented to let the buildings stand, upon condition that they provide a good force pump and hose, and that they proceed at once with the escape shaft and push it to completion without delay.

They put in a new rope at once, and on my last visit the new shaft, $8\frac{1}{2} \times 5\frac{1}{2}$ was down 117 feet. As they were working only one shift upon it, I directed them to double the force, and complete the work with all possible despatch.

VERMILION COUNTY.

THE ELLSWORTH COAL COMPANY.

This company controls large mines, not only near Danville, in this county, but in other parts of the State, and is one of the largest companies in the State. They have three mines in this county, all well laid out, and liberally equipped with improved apparatus. Nos. 1 and 2 both have a volume of air in circulation in excess of the amount required by law, but the workings are so extensive that a good deal of black-damp is thrown off, and there is so much carbonic oxide resulting from the combustion of large quantities of powder, that the quality of the air is very much impaired before it reaches the last of the men. Dividing the air-current into several "splits" is recommended to obviate the difficulty. The traveling way to the escape shaft was found somewhat obstructed, but was cleaned up when attention was called to it. No. 3 mine was found in very bad condition as to ventilation on my first visit. There was air enough at the in-take, but scarcely any at the working faces. Upon taking measurements in the different portions of the mine the leakage was discovered, and repairs of the air-courses were at once instituted, which resulted within thirty days in giving 120 cubic feet of air per man per minute at the working places. All desired improvements were made thoroughly and promptly.

THE GRAPE CREEK COAL COMPANY.

This company's mines are well conducted. As a rule there is a standard supply of air, and it is the evident purpose of the company to maintain it. This is the only company in the Third District which proposes to introduce the mining machines. They are now

erecting a powerful compressor for the purpose of testing the economy of machinery. An explosion of fire-damp occurred at the No. 5 shaft of the company, of which the details are given elsewhere. The mine is one of the best in the county or district in plan and equipment, the escape shaft is complete, and a powerful Murphy fan in position. This is another of the large companies of the State.

Michael Kelley's mine at Grape Creek was opened one year ago. His machinery is too light, although the mine being recently opened, the miners were not suffering for air. Their actual supply, however, was only sixty-two cubic feet per man. He had no escapement, and his buildings at the top were wood. I advised him to put in a fan and get the use of his air-shaft for escapement purposes. This was done, and an abundance of air secured.

Phillippi & Tucker, at Blount, were directed to begin the construction of an escapement shaft within ten days.

Samuel Swisher, Pilot township, has just opened a new shaft.

W. A. Hodge, S. and M. France, John W. Woodward, and Chas. Tilton have completed their escapement shafts.

Daniel France was notified to sink escapement, repair timber in hoisting shaft, and put in new ropes and guides. Two months later I found he had only begun shaft and then abandoned it and neglected all the other matters. I gave him notice not to resume operations without complying in all respects with law, under penalty of legal proceedings.

V. Schoek was instructed to renew timbering in his shaft, put in new rope, and sink an escape shaft.

B. G. Wilmoth was directed to replace platform at the top with heavier material, and sink escape shaft, which he promised to do.

Thomas Thomas, Catlin, was also instructed to sink an escapement shaft.

FATAL ACCIDENTS.

No. 1.—August 17, 1883, at Grape Creek mine, Sampson Cotton and Clarence Morrison; married; each leaving a widow, the former three and the latter two children. By an explosion of gas, Cotton was killed instantly, and Morrison died from the effects on the 20th. A full account of this is given elsewhere.

No. 2.—November . . , 1883, John Nichols, aged 38 years; married; leaves a widow and three children. Was working under top bench of coal, which fell, killing him instantly.

No. 3.—May 19, 1884. Danville mines. Frank Jones, aged 47, and son George Jones, aged 15. The father leaves a widow and three children. They had blasted one side of top coal and were cutting the other side. After cutting as far as he could reach, he got under to cut further, with his son to shovel from under the coal, when it came down, killing both.

No. 4.—June 5, 1884. Grape Creek mine. Fred Hecker, aged 55; married; leaves a widow. Was fatally injured in the back by top coal falling on him while loading his car. He died the same evening.

No. 5.—June 21, 1884. Atlanta mines. Charles Patterson, aged 22; single. Was killed by the crank of a windlass while hoisting a pump. Coroner Boyden held an inquest, and the verdict relieved the company from responsibility.

No. 6.—October 18, 1883. Frank Clary was seriously injured by falling of fire-clay. There were two veins. He had blasted down the top vein and went under to drill a hole in the lower, and the clay separating, the two veins settled down on him, crushing his spinal column. He was still living on the 25th of June, but there were no hopes of recovery.

NON-FATAL ACCIDENTS.

GRAPE CREEK MINES.

No. 1.—November 16, 1883. Abraham Bisch had his thumb nearly severed by a piece of coal he was taking out.

No. 2.—November 9, 1883. Isaac Poore was seriously injured by the falling of a loose rock he was sounding, which drove the pick into his leg. He has not been able to work for four months.

No. 3.—May 26, 1884. Victor Fair had his arm broken by top coal falling soon after firing a shot.

No. 4.—June 2, 1884. Gordon Rardin. While taking down the top coal it fell, breaking his leg in two places between the ankle and knee.

No. 5.—June 5, 1884. Michael Devine had his collar-bone broken by falling of roof.

No. 6.—December 1, 1883. John Becker, of Scholl's mine, was working in a room that had a horseback which he thought could be opened, and was working out a shot, when the roof gave way, bruising him badly.

No. 7.—February 28, 1884. Bloomington mine. John Anderson had his leg broken by the falling of roof, which he had not secured properly.

No. 8.—January 24, 1884. Richard Bramble, at Bloomington mine, had his leg broken while driving his trip; supposed to have missed putting in his sprag, and was trying to check its speed by pulling on the side of the car, which caused it to run off the track.

No. 9.—December 12, 1883. At the Ashland mine, John J. McGovern, after firing a shot, found some of the top loose, which he tried to pull down; not succeeding he went under it to see the effect of the shot, and while there the slate fell on him breaking his leg above the ankle.

No. 10.—October 25, 1883. Albert Coaly at the Virginia mine received a fracture of a rib, by the fall of loose slate, which he had tried to pull down.

No. 11.—February 12, 1884. At Hannah City mine, Henry Gahm had his neck hurt as a result of carrying his tools on the cage.

No. 12.—March 3, 1884. Thomas H. Jefford was bruised by the descending cage while attempting to step across the bottom underneath it.

No. 13.—March 4, 1884. John Jefford and Charles Ross had fired a shot and stepped under a clod, which was over the coal; this gave way and one was slightly, the other more severely hurt.

No. 14.—February 16, 1884. At Orchard mines Joseph Haulds-worth received several cuts and bruises on his arm and head, from a small fall of slate, resulting in loss of two weeks' work.

No. 15.—May 19, 1884. At Danville mine John Flaherty had his leg broken by a shot blasting through a pillar, which he had got behind for protection.

No. 16.—February 2, 1884. Mine at Astoria, Levi Moore broke his leg by falling down steps.

No. 17.—February 17, 1884. Matthew Kinnemore fell from elevated tramway, and badly sprained his ankle.

No. 18.—February 21, 1884. Jacob Gissart had his foot scalded by stepping in hot water vat.

No. 19.—February 20, 1884. At Roanake mine, Lewis Reuble had his leg broken by pit car running against him. He was unable to work for two months.

No. 20.—March 3, 1884. Frank Siedtroth had his leg broken by stone falling on him in his room.

No. 21.—November 16, 1883. At Greenview mine, J. A. Stone was seriously hurt; while mining out a standing shot the coal fell on him, dislocating his ankle and fracturing the bone. He was unable to work for about two weeks.

No. 22.—November 19, 1883. At Lincoln mine, John Wartin, Peter Studacker and George Worshe had their arms and faces burnt by the blowing out of an imperfect charge.

No. 23.—January 12, 1884. Taylor Mayfield, in crossing the sump, slipped and fell in, injuring his back.

COAL MINES AND MINERS OF ILLINOIS.

513

| Name of firm, company or individual operating mine. | Town or post-office nearest the mine. | Capital employed. | CHARACTER OF PLANT. | | | | EMPLOYEES. | | | | PRODUCT. | | | | | | | |
|---|---------------------------------------|-------------------|------------------------|-----------------------------|---------------------------------------|------------------------------------|-------------------------|---|--------------------------|--|---------------------------|--|-------------------------------------|---|----------------------------|---|---|--|
| | | | Drift, slope or shaft. | Steam, horse or hand-power. | Depth of coal below the surface—feet. | Thickness of coal—feet and inches. | Geological No. of seam. | Long-wall, or pillar and room workings. | No. of places of egress. | Ventilation, by fan, furnace or otherwise? | Number of miners employed | No. of other employees, in and about mine. | No. of days worked during the year. | No. of kegs of powder used during the year. | No. men killed during year | No. of men injured (so as to lose time) | No. of tons of coal produced (including nut coal) | Average value of coal per ton at the mine. |
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Fulton County—Continued.

| Name of firm, company or individual operating mine. | Town or post-office nearest the mine. | Capital employed. | CHARACTER OF PLANT. | | | | EMPLOYEES. | | | | PRODUCT. | | | | | | | | |
|---|---------------------------------------|-------------------|----------------------------|---------------------------------|---|--|-----------------------------|---|------------------------------|---|---|--|---|---|---------------------------------|--|--|--|--|
| | | | Drift, slope or shaft..... | Steam, horse or hand-power..... | Depth of coal below the surface—feet..... | Thickness of coal—feet and inches..... | Geological No. of seam..... | Long-wall, or pillar and room workings..... | No. of places of egress..... | Ventilation, by fan, furnace or otherwise?..... | Number of miners employed Winter..... Summer..... | No. of other employees, in and about mine..... | No. of days worked during the year..... | No. of kegs of powder used during the year..... | No. men killed during year..... | No. of men injured (so as to lose time)..... | Price per ton paid for mining. Winter..... Summer..... | No. of tons of coal produced (including nut coal)..... | Average value of coal per ton at the mine..... |
| Hitchens & Wright..... | Cuba..... | ..... | Drift..... | Hand..... | 40 4 3 5 | 75 4 3 6 | 5 5 6 | R. P. | 1 | 1 Nat'l | 2 | 2 | 150 | 40 | ..... | ..... | \$1 25 87 1/2 | 640 \$1 50 | ..... |
| Robert Beacham..... | Norris..... | ..... | Shaft..... | Horse..... | 112 4 3 6 | 165 4 3 5 | 5 5 6 | ..... | 2 | 2 Nat'l | 8 | 8 | 15 | 30 | ..... | ..... | 87 1/2 | 1,460 1 50 | ..... |
| Hart & Brown..... | Farmington..... | \$5,000 | ..... | Steam..... | 60 4 6 5 | 45 4 3 5 | 5 5 6 | ..... | 2 | 2 Fur. | 15 | 38 | 300 | 590 | ..... | ..... | 87 1/2 | 1,200 1 20 | ..... |
| P. P. Chapman..... | Breeds..... | 15,000 | ..... | Horse..... | 45 4 3 5 | 45 4 3 5 | 5 5 6 | ..... | 3 | ..... | 27 | 37 | 200 | 400 | ..... | ..... | 75 87 1/2 | 11,000 1 25 | ..... |
| G. W. Hinson..... | L. J. Jones..... | 6,000 | Drift..... | ..... | 40 4 3 5 | 40 4 3 5 | 5 5 6 | ..... | 1 | 1 Nat'l | 8 | 8 | 250 | ..... | ..... | ..... | 75 87 1/2 | 6,000 1 25 | ..... |
| Gallagher & Merrimon..... | Canton..... | ..... | ..... | Hand..... | 40 4 3 5 | 40 4 3 5 | 5 5 6 | ..... | 1 | 1 Nat'l | 5 | 5 | 120 | 40 | ..... | ..... | 87 1/2 | 1,200 1 50 | ..... |
| R. F. Blagden..... | Rockville..... | ..... | Shaft..... | Steam..... | 60 4 6 5 | 60 4 6 5 | 5 5 6 | ..... | 2 | 2 Fur. | 8 | 15 | 150 | 150 | ..... | ..... | 1 00 1 90 | 10,691 1 25 | ..... |
| Canton Coal Co..... | Canton..... | 7,000 | ..... | ..... | 60 4 6 5 | 60 4 6 5 | 5 5 6 | ..... | 1 | 1 Nat'l | 1 | 1 | ..... | ..... | ..... | ..... | 75 87 1/2 | 7,000 1 25 | ..... |
| H. Hall—stripling..... | Buckhart Tp..... | ..... | ..... | ..... | 60 4 6 5 | 60 4 6 5 | 5 5 6 | ..... | 1 | 1 Nat'l | 1 | 1 | ..... | ..... | ..... | ..... | ..... | 240 1 50 | ..... |
| John Parker—stripling..... | Babylon..... | ..... | Drift..... | Hand..... | 60 4 6 5 | 60 4 6 5 | 5 5 6 | ..... | 1 | 1 Nat'l | 1 | 1 | ..... | ..... | ..... | ..... | ..... | 240 1 50 | ..... |
| Mark Whitehead..... | ..... | 500 | Shaft..... | ..... | 30 4 3 5 | 30 4 3 5 | 5 5 6 | ..... | 1 | ..... | 4 | 4 | 150 | 60 | ..... | ..... | 90 | 1,800 1 50 | ..... |
| Put Linden, lessee..... | Canton..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 2,000 1 50 | ..... |
| Totals..... | ..... | \$153,200 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 375 | 725 | 129 | 4,806 | 6,989 | ..... | \$40 82 90 1/2 | 298,431 | \$1 27 |

MENARD COUNTY—1884.

| Name of firm, company or individual operating mine. | Town or post-office nearest the mine. | Capital employed. | CHARACTER OF PLANT. | | | EMPLOYEES. | | | | PRODUCT. | | | | | | | | | |
|---|---------------------------------------|-------------------|----------------------------|---------------------------------|---|--|---------------------------|---|-------------------------------|---|---------------------------|---|---------------------------------|---|---|---|--------------------------------|---|--|
| | | | Drift, slope or shaft..... | Steam, horse or hand-power..... | Depth of coal below the surface—feet..... | Thickness of coal—feet and inches..... | Geological No. of seam .. | Long-wall, or pillar and post workings..... | No. of places of egress | Ventilation, by fan, furnace or otherwise?..... | Number of miners employed | No. of men injured (so as to lose time) | No. men killed during year..... | No. of kegs of powder used during the year..... | No. of days worked during the year..... | No. of other employes, in and about mine..... | Price per ton paid for mining. | No. of tons of coal produced (including nut coal) | Average value of coal per ton at the mine..... |
| | | | | | | | | | | | Winter | Summer..... | | | | | | | |
| Greenville Coal Co..... | Greenville..... | \$20,000 | Shaft..... | Steam. | 92 5-6 | 5 | 5 R-P | 2 | 2 | Fur. | 55 | 7 | 900 | 1,300 | 300 | 7 | \$0 62½ | 40,000 \$1 25 | \$1 25 |
| Athens Coal Company..... | Athens..... | 10,000 | " | " | 227 6 | 5 | " | " | " | " | 30 | 8 | 313 | 1,100 | 313 | 8 | \$0 62½ | 25,000 1 75 | 1 75 |
| J. C. Cabanas, South Valley..... | Petersburg..... | 5,000 | " | " | 70 6 | 5 | " | " | " | " | 3 | 25 | 4 | 313 | 200 | 1 | 75 | 5,012 1 25 | 1 25 |
| Petersburg Coal Company No. 1..... | Petersburg..... | " | " | " | 90 5-7 | 5 | " | " | " | " | 75 | 120 | 25 | 300 | 1,715 | " | 62½ | 50,000 1 00 | 1 00 |
| Petersburg Coal Company No. 2..... | Junct'n Shaft..... | " | " | " | 68 6-7 | 5 | " | " | " | " | 25 | 60 | 12 | 286 | 1,100 | 1 | 62½ | 20,000 1 25 | 1 25 |
| Tallula-Petersburg Coal Company..... | Tallula..... | 6,000 | " | " | 186 6 | 5 | " | " | 3 Nat'l | " | 15 | 30 | 6 | 225 | 394 | " | 62½ | 8,737 1 00 | 1 00 |
| Sweet Water Coal Company, Wm Parkins..... | Sweet Water..... | " | " | Hand.. | " | 5 | " | " | 2 Fur. | " | 3 | 3 | 2 | 200 | 80 | " | 1 75 | 2,000 1 75 | 1 75 |
| Totals..... | Totals..... | \$41,000 | " | " | " | " | " | " | " | " | 196 | 361 | 64 | 1,937 | 5,889 | 1 | 40¢ 81 | 151,749 \$1 24½ | \$1 24½ |

STATISTICS OF LABOR.

McLEAN COUNTY—1884.

| Name of firm, company or individual operating mine. | Town or post-office nearest the mine. | Capital employed. | CHARACTER OF PLANT. | | EMPLOYES. | | PRODUCT. | |
|---|---------------------------------------|-------------------|--|--------------------------|--|--|--|---|
| | | | Ventilation, by fan, furnace or otherwise? | No. of places of egress. | No. of men injured (so as to lose time) | No. men killed during year | Average value of coal per ton at the mine. | No. of tons of coal produced (including nut coal) |
| McLean County Coal Co. | Bloomington. | \$90,000 | Long-wall, or pillar and room workings | L-W | No. of days worked during the year | No. of kegs of powder used during the year | Price per ton paid for mining. | 125,000 |
| | | | Geological No. of seam | 2 | No. of other employees in and about the mine | | Winter | \$1 00 |
| | | | Thickness of coal—feet and inches | 4 | | | Summer | \$0 75 |
| | | | Depth of coal below the surface—feet | 513 | Number of miners employed | | | |
| | | | Steam, horse or hand-power | 2 | Winter | | | |
| | | | Drift, slope or shaft | Shaft. | Summer | | | |
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LOGAN COUNTY—1884.

| Name of firm, company or individual operating mine. | Town or post-office nearest the mine. | Capital employed. | CHARACTER OF PLANT. | | | | EMPLOYES. | | | | PRODUCT. | | | | | | | | |
|---|---------------------------------------|-------------------|----------------------------|---------------------------------|---|--|----------------------------|---|-----------------------------|---|--------------------------------|---|---|---|---------------------------------|--|--------------------------------|---|--|
| | | | Drift, slope or shaft..... | Steam, horse or hand-power..... | Depth of coal below the surface—feet..... | Thickness of coal—feet and inches..... | Geological No. of seam.... | Long-wall, or pillar and room workings..... | No. of places of egress.... | Ventilation, by fan, furnace or otherwise?..... | Number of miners employed..... | No. of other employees in and about mine..... | No. of days worked during the year..... | No. of kegs of powder used during the year..... | No. men killed during year..... | No. of men injured (so as to lose time)..... | Price per ton paid for mining. | No. of tons of coal produced (including nut coal) | Average value of coal per ton at the mine..... |
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PEORIA COUNTY—1884.

| Name of firm, company or individual operating mine. | Town or post-office nearest the mine. | Capital employed. | CHARACTER OF PLANT. | | | | EMPLOYEES. | | | | PRODUCT. | | | | | | | | | |
|---|---------------------------------------|-------------------|----------------------------|----------------------------------|---|---|----------------------------|---|------------------------------|--|---|-------------|--|---------------------------------|---|---|---|--|-------------|---|
| | | | Drift, slope or shaft..... | Steam, horse or hand-power | Depth of coal below the surface—feet..... | Thickness of coal—feet and inches | Geological No. of seam.... | Long-wall, or pillar and room workings..... | No. of places of egress..... | Ventilation, by fan, furnace or otherwise? | Number of miners employ'd Winter | Summer..... | No. of men injured (so as to lose time)..... | No. men killed during year..... | No. of kegs of powder used during the year..... | No. of days worked during the year..... | No. of other employees in and about mine..... | Price per ton paid for mining. Winter | Summer..... | No. of tons of coal produced (including nut coal) | Average value of coal per ton at the mine..... |
| Elmwood Coal Co..... | Elmwood..... | \$75,000 | Sh.-ft. Drift..... | Steam..... | 60 | 4 6 5 | 6 | R. P. | 2 Fur.. | 40 | 9 | 300 | 1,000 | 400 | 300 | 9 | 150 | 75 | 20,000 | \$1.25 |
| E. Kramm & Co..... | Kramms..... | 12,000 | Slope..... | Mules..... | 70 | 4 6 5 | 5 | .. | 2 .. | 27 | 12 | 300 | 1,000 | 400 | 300 | 6 | 70 | \$1.00 | 37,000 | 1.25 |
| J. H. Wilkinson & E. Kramm..... | Edwards Sta. | .. | .. | Steam..... | 70 | 4 6 5 | 5 | .. | 1 Nat'l | 30 | 10 | 300 | 1,000 | 400 | 250 | 3 | 75 | 1.00 | 25,000 | 1.25 |
| W. H. Wilkinson & E. Kramm..... | .. | 15,000 | Drift..... | Horse..... | 60 | 4 6 5 | 5 | .. | 2 .. | 15 | 3 | 250 | 300 | 300 | 250 | 1 | 75 | 1.00 | 4,000 | 1.15 |
| Wantling & Howarth..... | .. | .. | .. | Steam..... | 80 | 4 6 5 | 5 | .. | 3 .. | 30 | 75 | 250 | 300 | 1,000 | 600 | 7 | 75 | 1.00 | 40,000 | 1.25 |
| G. Potts' Kickapoo Coal Mining Co..... | Pottstown..... | 6,000 | .. | Horse..... | 85 | 4 6 5 | 5 | .. | 2 .. | 20 | 50 | 250 | 700 | 600 | 200 | 1 | 75 | 90 | 18,000 | 1.40 |
| Henry Vicary..... | .. | 300 | .. | Mules..... | 85 | 5 6 5 | 5 | .. | 3 .. | 3 | 10 | 200 | 70 | 70 | 200 | 2 | 75 | 87 1/2 | 2,000 | 1.25 |
| James Aberly & Co. G. Parker..... | .. | 300 | .. | .. | 125 | 4 6 5 | 5 | .. | 2 Fur.. | 1 | 4 | 150 | 70 | 70 | 200 | 2 | 75 | 87 1/2 | 1,800 | 1.25 |
| Cerkoran & Co..... | .. | 100 | .. | .. | 72 1/2 | 4 6 5 | 5 | .. | 2 Nat'l | 6 | 4 | 200 | 84 | 84 | 200 | 2 | 75 | 87 1/2 | 2,000 | 1.25 |
| Henry Vicary..... | So. Pottstown..... | 400 | .. | Hand..... | 72 1/2 | 4 6 5 | 5 | .. | 2 Nat'l | 3 | 7 | 200 | 90 | 90 | 200 | 2 | 75 | 87 1/2 | 2,500 | 1.40 |
| Ed. Allan..... | Peoria..... | .. | .. | .. | 72 1/2 | 4 6 5 | 5 | .. | 1 .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | 2,768 | .. |
| Philip Delt & Co. Allan, Agent..... | .. | .. | .. | .. | 72 1/2 | 4 6 5 | 5 | .. | 2 .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. |
| H. Vicary..... | .. | .. | .. | .. | 72 1/2 | 4 6 5 | 5 | .. | 2 Fur.. | 6 | 12 | 250 | 430 | 430 | 250 | 5 | 75 | 87 1/2 | 6,020 | .. |
| Edw. Allan, agent for Kilder..... | .. | 1,000 | .. | Mules..... | 72 1/2 | 4 6 5 | 5 | .. | 2 .. | 20 | 40 | 300 | 700 | 700 | 300 | 2 | 87 1/2 | 1.00 | 12,990 | .. |
| Wilcox & Grant..... | .. | 1,000 | .. | .. | 72 1/2 | 4 6 5 | 5 | .. | 2 .. | 15 | 5 | 243 | 245 | 245 | 243 | 2 | 87 1/2 | 1.00 | 7,200 | 1.40 |
| Walter Treasure..... | Bartonville..... | 10,000 | .. | Steam..... | 87 1/2 | 4 6 5 | 5 | .. | 2 .. | 55 | 78 | 163 | 1,600 | 1,600 | 1,600 | 8 | 87 1/2 | 1.00 | 32,140 | 1.42 1/2 |
| Joseph Collier..... | .. | 3,000 | .. | .. | 87 1/2 | 4 6 5 | 5 | .. | 2 .. | 40 | 75 | 175 | 1,500 | 1,500 | 1,500 | 10 | 1.00 | 1.00 | 27,000 | 1.57 1/2 |
| John Gorman..... | Peoria P. O. | 10,000 | .. | .. | 50 | 4 6 5 | 5 | .. | 2 Fan.. | 35 | 60 | 175 | 900 | 900 | 175 | 8 | 92 1/2 | 1.00 | 25,312 | 1.97 1/2 |
| Chapman & Little..... | .. | 4,000 | Shaft..... | .. | 85 | 4 6 5 | 5 | .. | 2 Fur.. | 50 | 10 | 230 | 800 | 800 | 230 | 10 | 92 1/2 | 1.00 | 25,000 | 1.42 1/2 |
| Sholl's Mine..... | .. | 4,000 | Drift..... | Mules..... | 85 | 4 6 5 | 5 | .. | 2 Fur.. | 10 | 25 | 150 | 300 | 300 | 150 | 3 | 75 | 92 1/2 | 13,000 | 1.35 |
| Carter & Sholls..... | Holla..... | 600 | .. | .. | 4 1/2 | 4 1/2 | 5 | | | | | | | | | | | | .. | .. |

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|----------------------------|--------------|-----------|----------|-------|---------|-------|----|----|-----------|-----|-------|--------|-----|-------|--------|------------|---------|--------|----------|
| Nusom Bros'. Orchard | Orchard Mn's | 6,000 | .. | Steam | 75 | 4 1/2 | .. | 3 | .. | 35 | 35 | 6 | 300 | 1,100 | 1 | 75 | 87 1/2 | 23,040 | 1 31 1/4 |
| Mines Grandle..... | .. | 50 | Slope | Hand. | 50 1/2 | 4 1/2 | .. | 1 | .. | 7 | 7 | 2 | 75 | 70 | .. | 75 | 1 10 | 1,500 | .. |
| David Roberts..... | .. | 50 | Drift. | Mule. | 55 1/2 | 4 1/2 | .. | 1 | .. | 3 | 3 | 1 | 100 | 25 | .. | 75 | 1 00 | 800 | .. |
| James Regan..... | .. | 20 | .. | Hand. | 40 1/2 | 4 1/2 | .. | 1 | .. | 4 | 4 | .. | 100 | 8 | .. | 1 00 | 250 | .. | |
| Thos. Goodwin & Son..... | .. | 20 | .. | .. | 60 1/2 | 4 1/2 | .. | 1 | .. | 3 | 3 | .. | 100 | 9 | .. | 1 00 | 280 | .. | |
| .. | .. | 20 | .. | .. | 80 1/2 | 4 1/2 | .. | 1 | .. | 2 | 2 | .. | 150 | .. | .. | 1 00 | 1,000 | .. | |
| .. | .. | 20 | .. | .. | 60 1/2 | 4 1/2 | .. | 1 | .. | 4 | 4 | .. | 150 | .. | .. | 1 00 | 1,500 | .. | |
| Henry Oddavalls | .. | 12,000 | Shaft. | Steam | 120 1/2 | 4 1/2 | .. | 1 | .. | 25 | 25 | 6 | 150 | 300 | .. | 75 | 87 1/2 | 25,000 | .. |
| Glasford Coal Co. | Glasford | 100 | Drift. | Mule. | 100 1/2 | 4 1/2 | .. | 2 | .. | 10 | 10 | 2 | 150 | 110 | .. | 75 | 87 1/2 | 1,940 | 1 12 |
| J. P. Wason..... | Mapleton | 1,000 | .. | .. | 90 1/2 | 4 1/2 | .. | 2 | .. | 3 | 3 | .. | 150 | 300 | .. | 75 | 87 1/2 | 4,320 | .. |
| James Walker..... | .. | 1,000 | Slope | Hand | 90 1/2 | 4 1/2 | .. | 2 | .. | 10 | 10 | 2 | 150 | 300 | .. | 75 | 87 1/2 | 9,000 | .. |
| J. J. McNeil..... | Glasford | 3,000 | Drift. | Hand | 120 1/2 | 4 1/2 | .. | 1 | .. | 3 | 3 | .. | .. | 3 | .. | 87 1/2 | 87 1/2 | 400 | 1 40 |
| A. P. Farnesock..... | .. | 3,000 | Drift. | Mule. | 120 1/2 | 4 1/2 | .. | 1 | .. | 2 | 2 | .. | .. | 3 | .. | 87 1/2 | 87 1/2 | 400 | 1 40 |
| Kingston Mines..... | Lancaster L. | 10,000 | .. | .. | 25 1/2 | 4 1/2 | .. | 1 | .. | 35 | 35 | 15 | 200 | 26 | .. | 87 1/2 | 87 1/2 | 12,000 | 1 50 |
| W. H. Glasford..... | .. | 10,000 | Hole | Hand | 4 1/2 | 4 1/2 | .. | 1 | .. | 15 | 15 | .. | 200 | 26 | .. | 87 1/2 | 87 1/2 | 150 | 1 50 |
| Hannah City Coal Co. | Glasford | 5,000 | Shaft. | Steam | 85 1/2 | 4 1/2 | .. | 2 | .. | 2 | 2 | .. | 300 | 510 | .. | 87 1/2 | 87 1/2 | 150 | 1 50 |
| Millard & Woolen, Agt | Kickapoo | 5,000 | Drift. | Mule | 95 1/2 | 4 1/2 | .. | 2 | .. | 18 | 18 | 4 | 150 | 300 | .. | 75 | 87 1/2 | 8,120 | 1 40 |
| W. Nichols, Woodson, Agt | .. | 500 | .. | .. | 95 1/2 | 4 1/2 | .. | 2 | .. | 30 | 30 | 2 | 234 | 600 | .. | 87 1/2 | 1 00 | 12,000 | 1 25 |
| E. Woolen Leesee and Agt | Bartonville | 500 | .. | Mule | 95 1/2 | 4 1/2 | .. | 2 | .. | 15 | 15 | 6 | 225 | 425 | .. | 75 | 87 1/2 | 2,000 | 1 37 1/2 |
| J. Smith, Woolen, Agt..... | .. | 500 | .. | .. | 95 1/2 | 4 1/2 | .. | 2 | .. | 30 | 30 | .. | .. | .. | .. | 1 00 | 6,000 | .. | |
| James Burns..... | .. | 100 | Slope | Hand | 75 1/2 | 4 1/2 | .. | 2 | .. | .. | .. | .. | 150 | 60 | .. | 87 1/2 | 1 25 | 1,250 | 1 37 1/2 |
| James Monroe..... | .. | 100 | 2 Drift. | Hand | 85 1/2 | 4 1/2 | .. | 2 | .. | 15 | 15 | 2 | 300 | 510 | .. | 87 1/2 | 1 00 | 10,200 | 1 37 1/2 |
| Noll & Fender..... | .. | 200 | .. | Mule. | 85 1/2 | 4 1/2 | .. | 2 | .. | 9 | 9 | 1 | 300 | .. | .. | 87 1/2 | 1 40 | 3,500 | 1 40 |
| James Day..... | .. | 200 | Drift. | .. | 120 1/2 | 4 1/2 | .. | 2 | .. | 8 | 8 | 1 | 300 | .. | .. | 87 1/2 | 87 1/2 | 3,500 | 1 40 |
| E. Dennis & Bro..... | Lewiston | 8,000 | 2 Drift. | .. | 80 1/2 | 4 1/2 | .. | 2 | .. | 12 | 12 | 3 | 300 | 350 | .. | 87 1/2 | 87 1/2 | 2,745 | 1 25 |
| Ed. Mullen..... | .. | 300 | Drift. | .. | 80 1/2 | 4 1/2 | .. | 2 | .. | 20 | 20 | 1 | 250 | 280 | .. | 87 1/2 | 87 1/2 | 6,000 | 1 25 |
| Fred. McIn..... | .. | 50 | .. | Hand | 80 1/2 | 4 1/2 | .. | 2 | .. | 8 | 8 | .. | 120 | 26 | .. | 87 1/2 | 87 1/2 | 800 | 1 25 |
| Cody & McManus..... | .. | 50 | .. | .. | 80 1/2 | 4 1/2 | .. | 2 | .. | 5 | 5 | .. | .. | .. | .. | 87 1/2 | 87 1/2 | 800 | 1 25 |
| Barnswalk..... | .. | 2,000 | Shaft. | .. | 60 1/2 | 4 1/2 | .. | 2 | .. | 5 | 5 | .. | 60 | 60 | .. | 87 1/2 | 87 1/2 | 1,800 | 1 40 |
| Lulay & Co..... | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. |
| Thomas Royster..... | .. | .. | Drift. | Hand | 85 1/2 | 4 1/2 | .. | 1 | .. | 4 | 4 | .. | 70 | 26 | .. | 87 1/2 | 87 1/2 | 800 | 1 40 |
| Isaac Royster..... | .. | .. | .. | .. | 46 1/2 | 4 1/2 | .. | 1 | .. | 4 | 4 | .. | 60 | 13 | .. | 87 1/2 | 87 1/2 | 400 | 1 40 |
| John Lauck..... | .. | .. | Shaft | Steam | 50 1/2 | 4 1/2 | .. | 1 | .. | 4 | 4 | .. | 200 | 21 | .. | 87 1/2 | 87 1/2 | 640 | 1 40 |
| Joseph H. H. Shaw..... | Trivoli | 400 | .. | Horse | 40 1/2 | 4 1/2 | .. | 1 | .. | 2 | 2 | .. | 13 | .. | .. | 87 1/2 | 87 1/2 | 400 | 1 40 |
| G. W. Longdon..... | Brimfield | 100 | Drift. | Mule | 30 1/2 | 4 1/2 | .. | 1 | .. | 4 | 4 | .. | 33 | .. | .. | 87 1/2 | 87 1/2 | 1,000 | 1 40 |
| James Pemble..... | .. | 400 | Shaft. | .. | 18 1/2 | 4 1/2 | .. | 1 | .. | 5 | 5 | .. | 40 | 40 | .. | 87 1/2 | 87 1/2 | 1,200 | 1 40 |
| J. M. Lewis..... | Princeton | 200 | .. | Horse | 32 1/2 | 4 1/2 | .. | 1 | .. | 6 | 6 | .. | 26 | 26 | .. | 87 1/2 | 87 1/2 | 1,200 | 1 40 |
| G. W. Smith..... | White Oak | 500 | Slope | .. | 22 1/2 | 4 1/2 | .. | 1 | .. | 6 | 6 | .. | 33 | 33 | .. | 87 1/2 | 87 1/2 | 800 | 1 40 |
| Woodford..... | Brimfield | .. | .. | .. | .. | .. | .. | 1 | .. | 3 | 3 | .. | 40 | 40 | .. | 87 1/2 | 87 1/2 | 1,000 | 1 40 |
| Killer..... | .. | .. | .. | .. | .. | .. | .. | 1 | .. | 3 | 3 | .. | 40 | 40 | .. | 87 1/2 | 87 1/2 | 1,000 | 1 40 |
| Hindle..... | .. | .. | .. | .. | .. | .. | .. | 1 | .. | 3 | 3 | .. | 16 | 16 | .. | 87 1/2 | 87 1/2 | 1,500 | 1 40 |
| Totals..... | Totals..... | \$183,980 | .. | .. | .. | .. | .. | .. | 565,1,024 | 148 | 8,700 | 17,260 | .. | 7 | \$0.87 | \$0.92 1/2 | 452,078 | \$1.29 | .. |

TAZEWELL COUNTY—1884.

| Name of firm, company or individual operating mine. | Town or post-office nearest the mine. | Capital employed. | CHARACTER OF PLANT— | | | | | | | | | | EMPLOYEES. | | | | | PRODUCT. | | | |
|---|---------------------------------------|-------------------|----------------------------|---------------------------------|---|--|----------------------------|---|----------------------------|---|---------------------------|---|---|---|----------------------------|--|--------------------------------|---|--|--------|--------|
| | | | Drift, slope or shaft..... | Steam, horse or hand-power..... | Depth of coal below the surface—feet..... | Thickness of coal—feet and inches..... | Geological No. of seam ... | Long-wall, or pillar and room workings..... | No. of places of egress... | Ventilation, by fan, furnace or otherwise?..... | Number of miners employed | No. of other employees in and about mine..... | No. of days worked during the year..... | No. of kegs of powder used during the year..... | No. men killed during year | No. of men injured (so as to lose time)..... | Price per ton paid for mining. | No. of tons of coal produced (including nut coal) | Average value of coal per ton at the mine..... | | |
| | | | | | | | | | | Winter..... | Summer..... | | | | | | | | | | |
| D. M. Alexander..... | Pekin | \$6,000 | Shaft..... | Steam..... | 120 | 4 | 5 | R. P. | 2 | Fan.. | 13 | 30 | 7 | 200 | 480 | 1 | 1 | \$0 87½ | \$1 00 | 11,000 | \$1 63 |
| Victor Mine, Rundle & Gold..... | " | 2,000 | " | Horse..... | 130 | 4 | 5 | " | 2 | Fur'e | 8 | 10 | 2 | 200 | 250 | 1 | 1 | 87½ | 1 00 | 6,000 | 1 50 |
| John B. Ledderman | " | 2,000 | " | S. & H. Mule..... | 98 | 4 | 5 | " | 2 | " | 4 | 8 | 2 | 247 | 146 | 1 | 1 | 87½ | 1 00 | 2,480 | 1 50 |
| Ruche Bros..... | Hilton | 500 | Slope..... | " | 100 | 4 | 5 | " | 2 | " | 3 | 3 | 1 | 160 | 48 | 1 | 1 | 87½ | 1 00 | 864 | 1 50 |
| George Millard | " | 2,500 | Shaft..... | Horse..... | 95 | 4 | 5 | " | 1 | " | 3 | 3 | 1 | 150 | 33 | 1 | 1 | 87½ | 1 00 | 1,000 | 1 50 |
| J. G. Vogelsang..... | " | 1,000 | Drift..... | Mule..... | 60 | 4 | 5 | " | 2 | " | 7 | 7 | 3 | 200 | 250 | 1 | 1 | 87½ | 1 00 | 1,800 | 1 50 |
| N. C. Hawley | Pekin | 6,000 | Shaft..... | Steam..... | 75 | 4 | 5 | " | 2 | " | 15 | 30 | 3 | 300 | 48 | 1 | 1 | 87½ | 1 00 | 10,000 | 1 50 |
| Union Mines, Dissman's | " | 2,000 | Shaft..... | Horse..... | 100 | 4 | 5 | " | 2 | " | 4 | 4 | 13 | 1,307 | 2 | 2 | 2 | 87½ | 1 00 | 416 | 1 50 |
| Totals | | \$22,000 | | | | | | | | | 40 | 95 | 13 | 1,307 | 2 | 2 | 2 | \$0 87½ | \$0 97 | 33,590 | \$1 57 |

[illegible]

Vermilion County—Continued.

| Name of firm, company or individual operating mine. | Town or post-office nearest the mine. | CHARACTER OF PLANT. | | | | | EMPLOYEES. | | | | | PRODUCT. | | | | | | |
|---|---------------------------------------|----------------------------|---------------------------------|---|--|-----------------------------|---|------------------------------|---|--------------------------------|--|---|---|---------------------------------|--|--|--|--|
| | | Drift, slope or shaft..... | Steam, horse or hand-power..... | Depth of coal below the surface—feet..... | Thickness of coal—feet and inches..... | Geological No. of seam..... | Long-wall, or pillar and room workings..... | No. of places of egress..... | Ventilation, by fan, furnace or otherwise?..... | Number of miners employed..... | No. of other employees, in and about mine..... | No. of days worked during the year..... | No. of kegs of powder used during the year..... | No. men killed during year..... | No. of men injured (so as to lose time)..... | Price per ton paid for mining. Summer..... Winter..... | No. of tons of coal produced (including nut coal)..... | Average value of coal per ton at the mine..... |
| | Capital employed. | | | | | | | | | | | | | | | | | |
| Harrison Parish..... | Grape Creek..... | Slope..... | Horse..... | 6-7 | 6 | P. R. | 2 | Nat'l | 7 | 1 | 130 | | | | \$0 70 | \$0 80 | 2,500 | |
| Theodore Brooks..... | Westville Crk..... | Drift..... | Hand..... | 6-7 | 6 | P. R. | 2 | Nat'l | 6 | 8 | 120 | | | | | | 1,150 | |
| Michael Kelly..... | Catlin..... | Shaft..... | Steam..... | 7-8 | 8 | " | 2 | Fur. | 50 | 2 | 240 | 300 | | | 70 | 80 | 13,500 | \$1 50 |
| W. A. Hodges..... | Fairmount..... | " | " | 7-8 | 8 | " | " | " | 2 | 6 | 1 | | | | | | 2,500 | |
| France Bros..... | Catlin..... | " | " | 105 | 4 | " | 1 | " | 6 | 6 | 1 | | | | | | 800 | |
| Daniel France..... | " | " | " | 54 | 4 | " | 1 | " | 2 | 6 | 1 | | | | | | 600 | 1 30 |
| John W. Woodward..... | Fairmont..... | " | " | 80 | 4 1/2 | R. P. | 1 | " | 6 | 9 | 275 | 40 | | | 80 | 90 | 1,800 | 1 50 |
| Charles Tilton..... | Danville..... | Strip..... | " | " | " | " | " | " | 6 | 1 | 275 | 70 | | | 90 | | 4,500 | 1 50 |
| John Kelly..... | " | " | " | " | " | " | " | " | " | " | " | " | | | " | | 1,500 | |
| A. S. Williams..... | " | " | " | " | " | " | " | " | " | " | " | " | | | " | | 1,000 | 1 50 |
| Mr. Fairchilds..... | " | " | " | " | " | " | " | " | " | " | " | " | | | " | | 400 | 1 50 |
| Mason Wright..... | " | Drift..... | Horse..... | " | 7 | R. P. | 1 | Nat'l | 3 | 3 | 175 | | | | 90 | 1 00 | 100 | 1 50 |
| B. F. Hodges..... | " | " | " | " | " | " | " | " | 2 | 2 | 100 | | | | 90 | 1 00 | 800 | 1 50 |
| Fred Russel..... | " | Strip..... | " | " | " | " | " | " | 5 | 5 | 175 | | | | 1 35 per day | | 400 | 1 50 |
| Mat. Daniels..... | " | " | " | " | " | " | " | " | 3 | 3 | 150 | | | | 1 35 per day | | 400 | 1 50 |
| James Procket..... | " | " | " | " | " | " | " | " | 8 | 4 | 200 | | | | " | | 1,000 | 1 50 |
| John Swank..... | " | " | " | " | " | " | " | " | 4 | 4 | 150 | | | | " | | 1,000 | 1 50 |
| B. Bennis..... | " | " | " | " | " | " | " | " | 3 | 3 | 75 | | | | " | | 400 | 1 25 |
| Redman & Wilmoth..... | Catlin..... | " | " | " | " | " | " | " | " | " | " | | | | " | | 1,000 | 1 25 |
| James McBroom..... | " | " | " | " | " | " | " | " | " | " | " | | | | " | | 200 | 1 25 |
| B. J. Wilmoth..... | " | " | " | " | " | " | " | " | " | " | " | | | | " | | 500 | 1 25 |
| Henry Dorian..... | " | " | " | " | " | " | " | " | " | " | " | | | | " | | 1,000 | 1 25 |
| V. Shook..... | Oakland..... | Shaft..... | Horse..... | 60 | 5-6 | R. P. | 1 | Fur. | 2 | 5 | 200 | 50 | | | 80 | 80 | 1,500 | 1 50 |
| Totals..... | | | | | | | | | 835 | 1,312 | 253 | 3,765 | 11,803 | 9 | 16 | \$0 79 1/2 | 620,808 | \$1 28 1/2 |

*Erecting a mining machine.

WOODFORD COUNTY—1884.

| Name of firm, company or individual operating mine. | Town or post-office nearest the mine. | Capital employed. | CHARACTER OF PLANT. | | EMPLOYER. | | PRODUCT. | | | | | |
|---|---------------------------------------|-------------------|---|------------------------------|--|---|---|---|---|--|---|---|
| | | | Ventilation, by fan, furnace or otherwise?..... | No. of places of egress | No. of men injured (so as to lose time)..... | No. men killed during year. | No. of kegs of powder used during the year..... | No. of days worked during the year..... | No. of other employes, in and about mine..... | No. of tons of coal produced (including nut coal). | Average value of coal per ton at the mine. | Average value of coal per ton at the mine. |
| | | | Long-wall, or pillar and room workings..... | Geological No. of seam.... | Thickness of coal—feet and inches..... | Depth of coal below the surface—feet..... | Steam, horse or hand-power..... | Drift, slope or shaft..... | | | | |
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GREENE COUNTY—1894.

| Name of firm, company or individual operating mine. | Town or post-office nearest the mine. | Capital employed. | CHARACTER OF PLANT. | | | | | | | | | | EMPLOYEES. | | | | PRODUCT. | | | | | |
|---|---------------------------------------|-------------------|----------------------------|---------------------------------|---|--|-----------------------------|---|---------------------------|---|---------------------------|-------------|-------------|---|---|---------------------------------|--|--------------------------------|-------------|-------------|---|--|
| | | | Drift, slope or shaft..... | Steam, horse or hand-power..... | Depth of coal below the surface—feet..... | Thickness of coal—feet and inches..... | Geological No. of seam..... | Long-wall, or pillar and room workings..... | No. places of egress..... | Ventilation, by fan, furnace or otherwise?..... | Number of miners employed | Winter..... | Summer..... | No. of days worked during the year..... | No. of kegs of powder used during the year..... | No. men killed during year..... | No. of men injured (so as to lose time)..... | Price per ton paid for mining. | Winter..... | Summer..... | No. of tons of coal produced (including nut coal.)..... | Average value of coal per ton at the mine..... |
| Thomas Carter..... | Roodhouse..... | \$1,000 | Shaft. | Horse. | 40 | 2 4 | 1 | P. R. | 2 | Fur. | 5 | 9 | 3 | 2 | 900 | ..... | ..... | ..... | \$1 00 | \$1 12½ | 3,100 | \$1 75 |
| Whitehall Fire Clay W's. | Whitehall..... | 1,000 | Drift. | Man. | 40 | 2 4 | 1 | .. | 2 | .. | 9 | 3 | 1 | 1 | 300 | ..... | ..... | ..... | 1 12½ | 1 12½ | 5,400 | 1 75 |
| Wm. Carrollton..... | Roodhouse..... | 75 | .. | .. | .. | 2 6 | 1 | .. | 2 | .. | 9 | 3 | 2 | 2 | 300 | ..... | ..... | ..... | 87½ | 1 00 | 1,800 | 1 75 |
| Felix Brown..... | .. | 75 | .. | .. | .. | 2 6 | 1 | .. | 2 | .. | 9 | 3 | 2 | 2 | 228 | ..... | ..... | ..... | 87½ | 1 00 | 900 | 1 50 |
| John Knott..... | .. | 75 | .. | .. | .. | 2 4 | 1 | .. | 2 | .. | 9 | 3 | 2 | 2 | 240 | ..... | ..... | ..... | 1 00 | 1 00 | 800 | 1 75 |
| G. H. Newton..... | .. | 150 | Shaft. | Horse. | 22 | 2 6 | 1 | .. | 2 | .. | 9 | 3 | 2 | 2 | 300 | ..... | ..... | ..... | 1 00 | 1 00 | 1,520 | 1 75 |
| Joseph Lowther..... | .. | 150 | .. | .. | 30 | 2 6 | 1 | .. | 1 | .. | 9 | 3 | 2 | 2 | 300 | ..... | ..... | ..... | 1 00 | 1 00 | 1,500 | 1 75 |
| *John Johnson..... | .. | 150 | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | ..... | ..... | ..... | .. | .. | .. | .. |
| Totals..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 27 | 27 | 27 | 3 | 2,188 | ..... | ..... | ..... | \$1 01 | \$1 01 | 15,840 | \$1 72½ |

* This is a new shaft, just opening out.

JASPER COUNTY—1884.

| Name of firm, company or individual operating mine. | Town or post-office nearest the mine. | Capital employed. | CHARACTER OF PLANT. | | EMPLOYES. | | | | | | | PRODUCT. | | | | | | | |
|---|---------------------------------------|-------------------|---|------------------------------|---|-----------------------------|--|---|---------------------------------|----------------------------|--|---------------------------------|---|---|--|--------------------------------|---|--|---|
| | | | Ventilation, by fan, furnace or otherwise?..... | No. of places of egress..... | Long-wall, or pillar and room workings..... | Geological No. of seam..... | Thickness of coal—feet and inches..... | Depth of coal below the surface—feet..... | Steam, horse or hand-power..... | Drift, slope or shaft..... | No. of men injured (so as to lose time)..... | No. men killed during year..... | No. of kegs of powder used during the year..... | No. of days worked during the year..... | No. of other employees, in and about mine..... | Number of miners employed..... | Price per ton paid for mining. Winter Summer..... | Average value of coal per ton at the mine..... | No. of tons of coal produced (including nut coal) |
| F Nigh..... | Newton..... | \$5,000 | Slope | Horse. | 90 | 3 | P. R. | 2 Fur.. | 6 | 15 | 3 | 300 | | | | \$1 00 | \$1 00 | 10,000 | \$2 00 |

STATISTICS OF LABOR.

JERSEY COUNTY—1884.

| Name of firm, company or individual operating mine. | Town or post-office nearest the mine. | Capital employed. | CHARACTER OF PLANT. | | | | EMPLOYEES. | | | | PRODUCT. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| | | | Ventilation, by fan, furnace or otherwise? | No. of places of egress | Long-wall, or pillar and room workings | Geological No. of seam | Thickness of coal—feet and inches | Depth of coal below the surface—feet | Steam, horse or hand-power | Drift, slope or shaft | No. of men injured (so as to lose time) | No. men killed during year | No. of kegs of powder used during the year | No. of days worked during the year | No. of other employees, in and about mine | Number of miners employed | Price per ton paid for mining | Winter | Summer | Average value of coal per ton at the mine | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Wm. Benson & Son | Brighton | \$500 | Shaft | Drift | Horse | 50 | 3 6 | 3 6 | 3 6 | 3 6 | 2 | 4 | 1 | 220 | No. of days worked during the year | No. of kegs of powder used during the year | No. men killed during year | No. of men injured (so as to lose time) | Price per ton paid for mining | Winter | Summer | 1,500 | \$1 75 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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MACON COUNTY—1884.

| Name of firm, company or individual operating mine. | Town or post-office nearest the mine. | Capital employed. | CHARACTER OF PLANT. | | EMPLOYES. | | PRODUCT. | |
|---|---------------------------------------|-------------------|--|-----|---|-------|--|---------|
| | | | Ventilation, by fan, furnace or otherwise? No. of places of egress. Long-wall, or pillar and room workings. Geological No. of seam. Thickness of coal—feet and inches. Depth of coal below the surface—feet. Steam, horse or hand-power. Drift, slope or shaft. | | No. of men injured (so as to lose time). No. men killed during year. No. of kegs of powder used during the year. No. of days worked during the year. No. of other employees, in and about mine. | | Price per ton paid for mining. Winter. Summer. No. of tons of coal produced (including nut coal). Average value of coal per ton at the mine. | |
| Decatur Coal Co. | Decatur | \$75,000 | 612 | 4.4 | 300 | 3 | \$0.80 | 95,800 |
| Niantic Coal & Min. Co. | Niantic | 40,000 | 370 | 5.6 | 223 | 1,120 | \$0.75 | 24,670 |
| Totals | | \$115,000 | | | 523 | 1,220 | \$0.67½ | 120,470 |
| | | | | | | | | \$1.40 |
| | | | | | | | | \$1.20 |
| | | | | | | | | \$1.36 |

These two mines are sinking escapement shafts.

MACOUPIN COUNTY—1884.

| Name of firm, company or individual operating mine. | Town or post-office nearest the mine. | Capital employed. | CHARACTER OF PLANT. | | | | EMPLOYES. | | | | PRODUCT. | | | | | | | |
|---|---------------------------------------|-------------------|----------------------------|---------------------------------|---|--|-----------------------------|---|------------------------------|---|---|--|---|---|---------------------------------|--|--|--|
| | | | Drift, slope or shaft..... | Steam, horse or hand-power..... | Depth of coal below the surface—feet..... | Thickness of coal—feet and inches..... | Geological No. of seam..... | Long-wall, or pillar and room workings..... | No. of places of egress..... | Ventilation, by fan, furnace or otherwise?..... | Number of miners employed Winter..... Summer..... | No. of other employees, in and about mine..... | No. of days worked during the year..... | No. of kegs of powder used during the year..... | No. men killed during year..... | No. of men injured (so as to lose time)..... | Price per ton paid for mining. Winter..... Summer..... | No. of tons of coal produced (including nut coal). | Average value of coal per ton at the mine..... |
| Ellsworth Coal & M. Co. | Staunton | \$100,000 | Shaft. | Steam. | 325 7.0 | 325 7.0 | P. R. | P. R. | 2 Fan. | 125 | 40 | 237 | 974 | 1,317 | 4 | \$40 60 | 185,002 | \$1 00 |
| No. 5 Colliery..... | " | 110,000 | " | " | 322 7.0 | 322 7.0 | " | " | " | 130 | 30 | 241 | 1,317 | 1,317 | 1 | 75 | 195,313 | 1 00 |
| *No. 6..... | " | 100,000 | " | " | 390 7.6 | 390 7.6 | " | " | " | 70 | 20 | 256 | 1,317 | 1,317 | 1 | 75 | 72,120 | 1 00 |
| No. 7..... | Mount Olive. | 40,000 | " | " | 402 8.0 | 402 8.0 | " | " | C. P. | 57 | 14 | 160 | 325 | 325 | 1 | 60 | 44,000 | 1 00 |
| No. 8..... | " | 52,000 | " | " | 416 8.0 | 416 8.0 | " | " | Fur. | 45 | 16 | 208 | 280 | 280 | 1 | 50 | 51,000 | 1 00 |
| No. 9..... | " | 54,000 | " | " | 420 8.0 | 420 8.0 | " | " | Fur. | 95 | 19 | 210 | 280 | 280 | 1 | 60 | 105,000 | 1 00 |
| No. 10..... | " | 75,000 | " | " | 353 7.0 | 353 7.0 | " | " | Fan. | 125 | 13 | 225 | 200 | 200 | 1 | 60 | 35,350 | 1 00 |
| *Anchor Coal Co. | " | 2,500 | " | H. P. | 220 5.6 | 220 5.6 | " | " | Nat'l | 5 | 8 | 220 | 16 | 16 | 1 | 75 | 3,520 | 1 00 |
| D. W. Kelly..... | Staunton | 25,000 | " | Steam. | 250 5.6 | 250 5.6 | " | " | Nat'l | 25 | 1 | 310 | 350 | 350 | 2 | 70 | 22,200 | 1 15 |
| Bunker Hill Coal Co. | Bunker Hill | 1,000 | " | H. P. | 150 5.6 | 150 5.6 | " | " | Fur. | 3 | 1 | 300 | 8 | 8 | 1 | 87 1/2 | 4,800 | 1 50 |
| Raynor & Lock..... | " | 75,000 | " | H. P. | 346 7.6 | 346 7.6 | " | " | Fur. | 60 | 15 | 225 | 800 | 800 | 1 | 60 | 90,210 | 1 00 |
| B. L. Dorsey & Sons..... | Gillespie | 80,000 | " | Steam. | 345 7.6 | 345 7.6 | " | " | Fur. | 115 | 130 | 240 | 1,372 | 1,372 | 1 | 50 | 119,120 | 1 00 |
| Gillespie Coal & Min. Co. | " | 100,000 | " | " | 390 7.6 | 390 7.6 | " | " | " | 48 | 12 | 240 | 320 | 320 | 1 | 60 | 60,000 | 1 00 |
| Yock Bros. C. & Min. Co. | Hornaby | " | " | " | " | " | " | " | " | " | " | " | " | " | " | " | " | " |
| Farrell & Flint— | " | " | " | " | " | " | " | " | " | " | " | " | " | " | " | " | " | " |
| No. 1 Colliery..... | Carlinville | 35,000 | " | " | 280 6.6 | 280 6.6 | " | " | Nat'l | 30 | 4 | 106 | 47 | 47 | 2 | 75 | 12,700 | 1 10 |
| No. 2..... | " | 25,000 | " | " | 280 6.6 | 280 6.6 | " | " | " | 20 | 3 | 82 | 26 | 26 | 1 | 75 | 6,560 | 1 10 |
| H. Bartels & Son..... | " | 6,000 | " | H. P. | 320 7.0 | 320 7.0 | " | " | " | 10 | 3 | 210 | 200 | 200 | 1 | 80 | 9,760 | 1 25 |
| Dennis Noonan..... | Nilwood | 30,000 | " | Steam. | 325 7.0 | 325 7.0 | " | " | Fur. | 15 | 5 | 215 | 270 | 270 | 1 | 62 1/2 | 16,900 | 1 25 |
| Girard Coal & Min. Co. | Girard | 35,000 | " | " | 357 7.3 | 357 7.3 | " | " | " | 60 | 90 | 250 | 370 | 370 | 1 | 62 1/2 | 52,000 | 1 25 |
| J. W. Utz..... | Verdon | 40,000 | " | " | 320 7.6 | 320 7.6 | " | " | Fan. | 65 | 25 | 300 | 727 | 727 | 1 | 62 1/2 | 72,204 | 1 25 |
| Medora Coal & Min. Co. | Medora | 30,000 | " | " | 290 2.10 | 290 2.10 | " | " | " | 18 | 22 | 275 | 60 | 60 | 1 | 1 00 | 10,440 | 1 65 |
| Chesterfield..... | Chesterfield | 30,000 | " | " | 240 2.10 | 240 2.10 | " | " | C. P. | 15 | 7 | 262 | 10 | 10 | 1 | 1 00 | 13,130 | 1 65 |
| Dorris Davis..... | Fayette | 200 | " | H. P. | 20 4.0 | 20 4.0 | " | " | " | 2 | 4 | 90 | 2 | 2 | 1 | 85 | 1,080 | 1 75 |
| Belby & Co..... | Chesterfield. | 200 | Drift. | Hand. | 6.0 | 6.0 | " | " | " | 2 | 1 | 210 | 2 | 2 | 1 | 87 1/2 | 2,000 | 1 60 |
| Totals | | \$1,045,900 | | | | | | | | 1,010 | 1,510 | 274 | 5,112 | 8,880 | 8 | \$3 40 67 | 1,164,409 | \$1 00 |

* Machine mines; miners paid by the day.
† Stopped for not having escapement shafts.

MADISON COUNTY—1884.

| Name of firm, company or individual operating mine. | Town or post-office nearest the mine. | Capital employed. | CHARACTER OF PLANT. | | | EMPLOYES. | | | PRODUCT. | | | | | |
|---|---------------------------------------|-------------------|-----------------------|----------------------------|---|--|---|---|--|--|------------------------------------|--|----------------------------|---|
| | | | Drift, slope or shaft | Steam, horse or hand-power | Geological No. of seam Thickness of coal—feet and inches Depth of coal below the surface—feet | Long-wall, or pillar and room workings | No. of places of egress | Ventilation, by fan, furnace or otherwise? | Number of miners employed Winter Summer | No. of other employees in and about the mine | No. of days worked during the year | No. of kegs of powder used during the year | No. men killed during year | No. of men injured (so as to lose time) |
| *Abbey C. & M. Co. No. 3 | Collinsville | \$62,000 | Shaft | Steam. | 146 150 165 108 177 216 294 278 217 135 270 275 300 40 48 45 80 58 53 59 60 60 45 89 | 6.8 6.8 6.8 6.8 6.8 6.8 5.0 5.0 5.6 5.6 6.8 7.0 7.0 2.6 2.6 5.0 5.0 5.0 5.0 4.6 4.6 4.6 2.6 2.6 | P. R. P. R. P. R. P. R. P. R. P. R. P. R. P. R. S. Jet Nat'l Nat'l P. P. Fan. Fur. Fur. Fur. Fur. Fur. Fur. Fur. Fur. Fur. Fur. Fur. | 2 Fan. 2 Fur. 2 Fan. 2 Fan. 2 Fan. 2 Fan. 2 Fan. 2 Fan. 2 S. Jet 1 Nat'l 1 Nat'l 1 C. P. 1 Fan. 1 Fur. 1 Fur. 1 Fur. 1 Fur. 1 Fur. 1 Fur. 1 Fur. 1 Fur. 1 Fur. 1 Fur. | 110 75 65 65 60 75 68 46 46 80 35 65 15 50 75 30 14 12 10 5 6 1 1 1 1 1 2 | | | | | |

MORGAN COUNTY—1884.

| Name of firm, company or individual operating mine. | Town or post-office nearest the mine. | Capital employed. | CHARACTER OF PLANT. | | | | | | | | | | EMPLOYES. | | | | PRODUCT. | |
|---|---------------------------------------|-------------------|----------------------------|---------------------------------|---|--|----------------------------|---|----------------------------|---|---|---|---|----------------------------|--|--|---|--|
| | | | Drift, slope or shaft..... | Steam, horse or hand-power..... | Depth of coal below the surface—feet..... | Thickness of coal—feet and inches..... | Geological No. of seam ... | Long-wall, or pillar and room workings..... | No. of places of egress .. | Ventilation, by fan, furnace or otherwise?..... | Number of miners employ'd Winter..... Summer..... | No. of days worked during the year..... | No. of kegs of powder used during the year..... | No. men killed during year | No. of men injured (so as to lose time)..... | Price per ton paid for mining. Winter..... Summer..... | No. of tons of coal produced (including nut coal) | Average value of coal per ton at the mine..... |
| Neelyville Coal and Mining Co..... | Neelyville .. | \$4,000 | Shaft. | Steam. | 52 | 2.7 | 2 | | | 4 | | | | | | | 2,500 | |
| Farmers Coal Co..... | | 20,000 | " | " | | | | | | | | | | | | | | |
| Franklin Coal and Mining Co..... | Franklin .. | \$24,000 | | | | | | | | 4 | | | | | | | | |
| Totals..... | | | | | | | | | | | | | | | | | | |

*This shaft was abandoned October, 1883.

†This is a new shaft; commenced operations July 1, 1884.

‡This is a new shaft; will commence to hoist coal September 1, 1884.

MONTGOMERY COUNTY—1884.

| Name of firm, company, or individual operating mine. | Town or post-office nearest the mine. | Capital employed. | CHARACTER OF PLANT. | | | | EMPLOYES. | | | | PRODUCT. | |
|--|---------------------------------------|-------------------|--|------------------------------|---|----------------------------|--|---|----------------------------------|----------------------------|--|---|
| | | | Ventilation, by fan, furnace or otherwise? | No. of places of egress..... | Long-wall, or pillar and room workings..... | Geological No. of seam.... | Thickness of coal—feet and inches..... | Depth of coal below the surface—feet..... | Steam, horse or hand-power | Drift, slope or shaft..... | Price per ton paid for mining. | No. of tons of coal produced (including nut coal) |
| | | | | | | | | | | | | |
| | | | | | | | | | | | Winter | 80c |
| | | | | | | | | | | | Summer..... | 80c |
| | | | | | | | | | | | No. of men injured (so as to lose time) | 1 |
| | | | | | | | | | | | No. men killed during year | 120 |
| | | | | | | | | | | | No. of kegs of powder used during the year | 275 |
| | | | | | | | | | | | No. of days worked during the year | 5 |
| | | | | | | | | | | | No. of other employees, in and about mine | 20 |
| | | | | | | | | | | | Winter | 10 |
| | | | | | | | | | | | Summer..... | 10 |
| | | | | | | | | | | | Average value of coal per ton at mine | \$1 50 |
| Litchfield Coal Co..... | Litchfield | \$10,000 | Shaft. Steam. | 506 | 3 | 6 | 4 | L. W. | 2 | Fur'e | 10,717 | \$1 50 |

Two prospecting holes were bored in this county at Raymond by J. W. Beverly, of Litchfield, one 750 feet. At 440 feet he found four feet of coal, very soft; at 593 feet he found salt water, and at 750 feet salt water. The second hole was bored 450 feet; at 440 he found 3 ft. 10 in. coal. There was 10 feet of black slate on top of the coal in both holes. The black slate was very soft.

COAL MINES AND MINERS OF ILLINOIS.

561

| Name of firm, company or individual operating mine. | Town or post-office nearest the mine. | Capital employed. | CHARACTER OF PLANT. | | | | EMPLOYEES. | | | | PRODUCT. | | | | | | | | | |
|---|---------------------------------------|-------------------|----------------------------|------------------|---|--|-----------------------------|---|------------------------------|---|---------------------------|---|---|---------------------------------|--|--------------------------------|-------------|--|--|--------|
| | | | Drift, slope or shaft..... | Steam power..... | Depth of coal below the surface—feet..... | Thickness of coal—feet and inches..... | Geological No. of seam..... | Long-wall, or pillar and room workings..... | No. of places of egress..... | Ventilation, by fan, furnace or otherwise?..... | Number of miners employed | No. of days worked during the year..... | No. of kegs of powder used during the year..... | No. men killed during year..... | No. of men injured (so as to lose time)..... | Price per ton paid for mining. | | No. of tons of coal produced (including nut coal)..... | Average value of coal per ton at the mine..... | |
| | | | | | | | | | | | | | | | | Summer..... | Winter..... | | | |
| Auburn C. and Tile Co. | Auburn..... | \$32,000 | Shaft | Steam | 238 | 6 6 | 5 | P. R. | 2 | Fur'e | 5 | 15 | 300 | 475 | ... | ... | 62½c | 75c | 10,400 | \$1 50 |
| Wabash C. and M. Co. | Lies Junction | 40,000 | " | " | 250 | 5 6 | 5 | " | 2 | Fan | 50 | 75 | 230 | 1,500 | 1 | ... | 62½ | 75 | 45,000 | 1 20 |
| Black Diamond Mine. | " | 32,000 | " | " | 250 | 5 6 | 5 | " | 2 | " | 50 | 75 | 300 | 1,420 | ... | ... | 62½ | 75 | 46,210 | 1 15 |
| Springfield Co-operative Coal Co. | Ridgely..... | 28,000 | " | " | 250 | 5 6 | 5 | " | 2 | " | 25 | 60 | 310 | 1,800 | 1 | ... | 62½ | 75 | 43,876 | 1 25 |
| Wilmington and Springfield Coal Co. | " | 35,000 | " | " | 250 | 5 6 | 5 | " | 2 | " | 75 | 125 | 310 | 3,200 | ... | ... | 62½ | 75 | 75,280 | 1 15 |
| West End mine | Springfield..... | 40,000 | " | " | 150 | 5 6 | 5 | " | 2 | Fur'e | 100 | 145 | 310 | 3,120 | 2 | ... | 62½ | 75 | 81,000 | 1 15 |
| Capital Co-operative Co. | " | 40,000 | " | " | 242 | 5 6 | 5 | " | 2 | " | 44 | 75 | 280 | 2,000 | ... | ... | 62½ | 75 | 52,900 | 1 20 |
| Sangamon C. & M. Co.—No. 1 shaft. | " | 40,000 | " | " | 240 | 5 6 | 5 | " | 2 | Fan | 100 | 250 | 300 | 5,489 | ... | ... | 62½ | 75 | 220,000 | 1 15 |
| No. 2 | " | 45,000 | " | " | 245 | 5 6 | 5 | " | 2 | " | 50 | 125 | 250 | 1,400 | ... | ... | 62½ | 75 | 55,000 | 1 15 |
| Barclay Coal and Mining Co. | Barclay..... | 42,000 | " | " | 240 | 5 6 | 5 | " | 2 | " | 100 | 150 | 220 | 4,289 | ... | ... | 62½ | 75 | 124,000 | 1 15 |
| Riverton Coal and Mining Co. | Riverton..... | 41,000 | " | " | 200 | 6 0 | 5 | " | 2 | Fur'e | 100 | 150 | 40 | 220 | 4,289 | ... | 62½ | 75 | 4,100 | 1 25 |
| No. 1 shaft. | " | 38,000 | " | " | 240 | 6 0 | 5 | " | 1 | Fan | 10 | 10 | 7 | 150 | 210 | ... | 62½ | 75 | 55,000 | 1 20 |
| Wabash Coal and Mining Co. | Dawson..... | 42,000 | " | " | 250 | 5 6 | 5 | " | 2 | " | 50 | 70 | 13 | 300 | 1,420 | ... | 62½ | 75 | 7,560 | 1 30 |
| Pleasant Plains Coal and Mining Co. | Pleasant Plains | 24,000 | " | " | 126 | 5 6 | 5 | " | 2 | Fur'e | 6 | 12 | 4 | 210 | 212 | ... | 62½ | 75 | ... | ... |
| John Galloway & Co.* | " | 18,000 | " | " | 130 | 6 6 | 5 | " | ... | " | 665 | 1,187 | 248 | 3,510 | 26,536 | 1 | 62½c | 75c | 830,326 | \$1 17 |
| | | \$557,000 | | | | | | | | | | | | | | | | | | |

*This is a new shaft. Will commence to hoist coal September 1, 1884.

SHELBY COUNTY—1884.

[illegible]

CALHOUN COUNTY—1884.

| Name of firm, company or individual operating mine. | Town or post-office nearest the mine. | Capital employed. | CHARACTER OF PLANT. | | EMPLOYES. | | | | PRODUCT. | | | | | | | |
|---|---------------------------------------|-------------------|----------------------------|---------------------------------|---|--|-----------------------------|---|------------------------------|---|---------------------------|---|---|---------------------------------|--|--------------------------------|
| | | | Drift, slope or shaft..... | Steam, horse or hand-power..... | Depth of coal below the surface—feet..... | Thickness of coal—feet and inches..... | Geological No. of seam..... | Long-wall, or pillar and room workings..... | No. of places of egress..... | Ventilation, by fan, furnace or otherwise?..... | Number of miners employed | No. of days worked during the year..... | No. of kegs of powder used during the year..... | No. men killed during year..... | No. of men injured (so as to lose time)..... | Price per ton paid for mining. | Average value of coal per ton at the mine..... |
| Thomas Mines..... | Brussels..... | \$50,000 | Drift.. | Mule.. | 2 6 1 | P. R. | 2 | Fan. | Winter ..... | ..... | ..... | ..... | ..... | ..... | \$1 00 | 160 \$1 25 |
| | | | | | | | | | Summer ..... | ..... | ..... | ..... | ..... | ..... | \$1 00 | |

This mine is located at Thomas Landing, on the Mississippi River. There is a fine plant located for the crushing of the coal and washing machinery. There is a manager's house, two boarding houses, fifty-nine tenement houses, one store, school-house, two barns and blacksmith shop. Engines and boilers are well housed. There are a number of mine cars, coke cars, tracks, coal and coke scales. When the work closed down in December, 1882, there were 40 men employed. They employed about 100 men the most of the season. There has been nothing done at the works from July, 1883, to July 1, 1884, except to take 100 tons out of the mine for local use. There are fifty coke ovens. The company worked under the "bee-hive" process in manufacturing coke—crushed and washed the coal. The works are owned by W. G. Thomas. J. Fowler is the local agent.

RECAPITULATION BY COUNTIES.

| Counties. | Capital em- ployed. | Acreage..... | No. of mines..... | No. of mines shipping coal.... | No. of mines, local..... | Kinds of power employed | Kinds of openings. | Modes of working coal, pillar and room, long wall, single and double entry. | No. of miners and other employees. | | | Average No. of days worked.. | No. of kegs of powder used.... | No. of men killed..... | No. of men injured so as to lose time..... | Average price per ton for mining. | No. of tons of coal produced, including nut..... | Average price of coal per ton at the mines..... | No. of mines with escapement shaft. | No. of mines without escape- ment shaft..... | Kinds of power used for venti- lation. | Natural..... | Steam jet... | Furnace..... | Fan..... |
|---------------|------------------------|--------------|-------------------|--------------------------------|--------------------------|-------------------------|--------------------|---|------------------------------------|--------------------|---------------------------|------------------------------|--------------------------------|------------------------|--|-----------------------------------|--|---|-------------------------------------|---|---|--------------|--------------|--------------|----------|
| | | | | | | | | | Miners, summer... | Miners, winter.... | Other em- ployees..... | | | | | | | | | | | | | | |
| Coles. | \$100,000 | 500 | 1 | 1 | 1 | 1 | 1 | 1 | 50 | 75 | 18 | 240 | 252 | | | \$0 30 | 54,000 | \$1 25 | 1 | 1 | | | | | |
| Edgar. | 50,000 | 500 | 1 | 1 | 1 | 1 | 1 | 1 | 40 | 55 | 6 | 256 | 252 | | | 1 00 | 21,720 | 1 45 | 1 | 1 | | | | | |
| Greene. | 2,725 | 380 | 9 | 1 | 1 | 1 | 1 | 1 | 27 | 27 | 3 | 278 | 40 | | | 1 01 | 15,840 | 1 72½ | 8 | 1 | | | | | |
| Jasper. | 5,000 | 160 | 1 | 1 | 1 | 1 | 1 | 1 | 6 | 15 | 3 | 340 | 40 | | | 1 01 | 10,000 | 2 02 | 1 | 1 | | | | | |
| Jersey. | 2,500 | 130 | 3 | 2 | 2 | 2 | 2 | 2 | 8 | 12 | 60 | 176 | 1220 | | | 1 00 | 2,920 | 1 75 | 5 | 2 | | | | | |
| Macoupin. | 115,000 | 1,400 | 2 | 2 | 2 | 2 | 2 | 2 | 130 | 175 | 1 | 251 | 8 | | | 77½ | 120,470 | 1 96 | 3 | 2 | | | | | |
| Madison. | 1,045,000 | 7,870 | 23 | 18 | 16 | 16 | 16 | 16 | 1,010 | 1,510 | 274 | 222 | 8,830 | 8 | 23 | 67½ | 1,184,409 | 1 06 | 17 | 9 | | | | | |
| Morgan. | 499,620 | 2,753 | 29 | 13 | 13 | 13 | 13 | 13 | 575 | 833 | 124 | 227 | 5,181 | 5 | 8 | 70 | 560,636 | 1 05½ | 18 | 11 | | | | | |
| Morgan. | 24,000 | 300 | 2 | 2 | 2 | 2 | 2 | 2 | 4 | 10 | 1 | 1 | 1 | | | 78½ | 2,500 | 1 05½ | 2 | 2 | | | | | |
| Monk's Ferry. | 10,000 | 50 | 1 | 1 | 1 | 1 | 1 | 1 | 20 | 20 | 5 | 275 | 120 | | | 80 | 10,717 | 1 50 | 1 | 1 | | | | | |
| Sangamon. | 537,000 | 6,110 | 15 | 15 | 15 | 15 | 15 | 15 | 665 | 1,187 | 948 | 4270 | 26,585 | 1 | 3 | 62½ | 820,826 | 1 17 | 13 | 2 | | | | | |
| Scott. | 6,800 | 352 | 1 | 1 | 1 | 1 | 1 | 1 | 33 | 51 | 10 | 184 | 285 | | | 1 25 | 10,280 | 1 81½ | 6 | 3 | | | | | |
| Shelby. | 5,200 | 87 | 6 | 6 | 6 | 6 | 6 | 6 | 23 | 38 | 10 | 228 | | | | 1 64 | 10,205 | 2 37 | 1 | 1 | | | | | |
| Calhoun. | 50,000 | 80 | 1 | 1 | 1 | 1 | 1 | 1 | | | | | | | | 1 00 | 160 | 1 25 | 1 | 1 | | | | | |
| Totals..... | \$2,455,775 | 20,722 | 104 | 83 | 51 | 54 | 54 | 54 | 2,581 | 4,018 | 763 | 1243 | 42,513 | 9 | 33 | \$0 94½ | 2,804,183 | \$1 12½ | 77 | 27 | | | | | |

* Average for eight mines in Greene county.

† Average for thirteen mines in Sangamon county.

‡ Average for ninety-eight mines in Fourth District.

FIFTH DISTRICT.

MR. J. S. LORD, *Secretary of the Bureau of Labor Statistics of Illinois* :

SIR—I have the honor to submit herewith my report as Inspector of Coal Mines for the Fifth District, which embraces the lower extremity of the State, south of and including St. Clair county, for the year ending July 1, 1884.

During the year the coal trade has been unsettled and subject to serious disturbances, owing to floods on the one hand, and fluctuations in freight rates to the St. Louis market on the other. This rate was at one time as low as 12½ cents a ton to all shippers within a radius of 18 miles from St. Louis. This led to such competition for that trade that coal was in some instances sold and delivered to retail consumers in that city as low as \$1.75 per ton.

Many operators outside that radius were accordingly obliged to shut down. Everywhere there was reduction of expenses and of the prices of mining. Machine mining was stimulated, and many miners, especially from the vicinity of Belleville, left the district altogether.

On the other hand, the unusually high water of the Ohio river last spring caused the suspension of the mines in Gallatin and Saline counties, and floods impaired the business of Perry county.

Notwithstanding these vicissitudes, and possibly on account of the stimulus they afforded, the aggregate output of the district is somewhat greater for this year than any previous year,—the gain being principally in St. Clair county.

| | |
|---|-----------|
| Number of tons mined in the district in 1883..... | 1,990,921 |
| Number of tons mined in the district in 1884..... | 2,128,230 |
| Increase..... | 137,309 |

I have to report, as a result of my labors in this field, the sinking of 23 escapement shafts. Though some of them are not yet completed, they are in progress, and will soon afford the additional openings contemplated by law. Nine air shafts have been remodeled so as to constitute available places of egress for the men; and underground communication has been established between adjacent mines in three instances for the same purpose. There have been erected during the year 14 fans for the better ventilation of mines—10 in St. Clair county, 2 in Perry, 1 in Washington, and 1 in Marion.

Twenty-eight indictments have been found against mine operators in this district for failure to comply with the law requiring the coal of each miner to be weighed at the mines. In twenty instances the parties were fined; seven cases were taken up to the Appellate Court, and one to the Supreme Court of the State, from neither of which have decisions yet been rendered.

Fifty-two accidents have occurred to miners during the year, 8 of which were fatal. For the year last preceding there were 59, of which 20 were fatal. The causes of the several casualties this year were as follows:

FATAL ACCIDENTS.

| | | |
|---------------------------|---|---|
| Falling of coal..... | 7 | |
| Being caught by cage..... | 1 | |
| | — | 8 |

NON-FATAL ACCIDENTS.

| | | |
|---------------------------|----|----|
| Falling of coal..... | 8 | |
| Falling of roof..... | 12 | |
| Premature blasts..... | 7 | |
| Explosions of gas..... | 6 | |
| Explosions of powder..... | 2 | |
| Hurt by cars..... | 4 | |
| Miscellaneous..... | 5 | |
| | — | 44 |

This shows that 87 per cent. of the fatal accidents, and 45 per cent. of the non-fatal accidents, or 52 per cent. of casualties of all kinds in and about the mines of this district, have resulted from the fall of overhanging rock or coal, which should be held in place by props set by the miner.

One life has been lost for every 266,029 tons of coal mined during the year.

There has been a good deal of conflict and bitterness for several years in the St. Clair district occasioned by the use of mining machines, and the hand-miners, by working the coal for very low prices, have hoped to demonstrate that the machines could not be profitably used. In this way prices for mining have run down from 50 cents a ton as low as 28 cents. Regular miners have also refused to recognize the machines by accepting work on them, and the owners have retaliated by refusing to put the regular miners on, and have employed others for the machines and for blasting and hauling the coal, all of which has aggravated the feeling of miners against the machine mines, and their owners, and the men they employ. This condition of things is alike unfortunate for owners and miners, as the miner needs the work even if it be with a machine, and the operator needs the skill of the trained miner to successfully work his coal.

Popular sentiment, however, is rather with the miners than the owners, and physicians have pronounced the effect of the compressed air upon the machine operators to be injurious to health.

During the summer a movement was set on foot to establish a living rate of wages for the hand-miner, but after several conferences and a failure to agree, the men finally went to work for a cent and a half a bushel. Subsequently, however, the owners advanced this rate to a cent and three-quarters per bushel, or 43½ cents per ton, which is now the ruling price for hand-mining.

Accompanying this I submit my notes on the different mines in each county, a detailed record of the casualties which have occurred, and such tables of statistics of the production of coal, etc., as are required by law.

Very respectfully,
 ROBERT WINNING,
Inspector 5th District.

ST. CLAIR COUNTY.

THE ABBEY COAL CO.

This company is extensively engaged in mining on the line of the Vandalia railroad, and have several shafts in the vicinity of Caseyville, St. Clair county, and Collinsville, Madison county. Those in St. Clair county are the No. 1 and No. 5. The Springwell mine and No. 2 are now abandoned as hoisting shafts, the coal from those workings being taken out at the No. 1 shaft. The coal is worked on the single-entry system, the entries being 16x6½ feet.

On my first visit, in November last, the company had 80 men and 8 mules at work, but in the succeeding April this force was reduced to 15 men and 3 mules. The mine is well ventilated, having 11,700 cubic feet of air in circulation in two "splits."

Joseph Higginbotham, Underground Manager.

The No. 5 mine of the Abbey company is worked wholly with mining machines, and has been from the time it was originally opened. It is laid out on the single-entry plan. The roof requires an unusual amount of timbering, from the fact that there is from 6 to 8 feet of slate overlying the coal. The Harrison improved mining machines are used, and the men working them are the most skillful operators I have seen in the district. The labor in these works is divided in the following manner: There are seven machines, with a skilled operator for each, and with each of these there are two helpers, making 21 men handling 7 machines. These make employment for 7 drillers and blasters, 40 loaders, 6 drivers, 3 trappers, 2 cagers, 2 roadmen, 1 dumper, 2 car trimmers, 1 slack shoveler, 7 timberers, 1 fireman, 1 blacksmith, and 1 prop-cutter. All the men are paid by the day. Machine men, timberers and blasters receive \$2.25, and shovelers and loaders \$1.75 per day. A ventilating fan has been erected here, which has increased the amount of air in circulation from 4,680 to 21,340 cubic feet per minute. The company has endeavored to comply with the requirements of the law, and their works are in good shape.

William Fletcher, Superintendent; Caleb Davis, Underground Manager.

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THE PROVIDENCE MINE.

This mine was connected by side-track with the Vandalia road, and operated by Messrs. Miller, Daniels & Co. At a distance of 186 feet from the bottom of the shaft they encountered a fault, when the roof gave way, and precipitated a body of sand into the mine, which flowed with such force and rapidity as to fill 40 yards of entry 12 feet wide by 4½ feet high in 30 minutes. Subsequent efforts to tunnel through the fault were ineffectual, and the property was abandoned.

JOSEPH MORRIS' MINE

Is on the Ohio and Mississippi railroad, between O'Fallon and Lebanon. It was opened originally on the single-entry system, but is being changed to that of double-entry, the proprietor claiming as a reason for the change that double-entries cost less in the long run, gave the mine better ventilation and the men better satisfaction. He had a working force of 32 men and boys underground, and 4 on the top. I found a very small amount of air in the passages, owing to a recent fall of rock in the return air course. This was satisfactorily cleared up.

THE BENNETT MINE.

This is about a mile east of the preceding, and is owned and operated by Mr. Jeremiah Bennett. The coal in this and the Morris mine is of better quality than that of other mines in the vicinity, and commands a better price in the market. This is a double-entry mine, employing 38 people underground. On my first visit I found some gas in the workings, and a feeble current of air; but by cleaning up and widening the return air-way, succeeded in doubling the volume of air and dissipating the gas. There was no escapement outlet to this mine except through the air-shaft in which the furnace was located. The proprietor has undertaken to remedy this state of things, and may proceed to sink another shaft.

THE LEBANON MINE.

This place is also on the Ohio and Mississippi railroad, at Lebanon, and is owned and operated by Gustave Weisberger. The shaft was sunk a year ago, under many difficulties. At a depth of 26 feet, 12 feet of quicksand was encountered; and again, at a depth of 50 feet there was found 30 feet more of quicksand producing 120 gallons of water per minute. With this experience with the strata, they have not yet undertaken to sink an escapement.

In April there were 17 men at work in the mine, which was ordinarily ventilated by exhaust steam from the pump, but as that was undergoing repairs, there was no current perceptible.

THE SUMMERFIELD MINE.

This is also on the Ohio and Mississippi railroad. There were only 3 men at work in it at the time of my visit, and there was no attempt at ventilation. The property has changed hands three times since I came into the field, and as it is necessary that an escapement shaft should be sunk at once, it may continue to change.

JOSEPH TAYLOR'S MINE

is situated at Alma, or Ridge Prairie, and is one of the old mines of the Gartside Coal Co., the other at this place having been abandoned. The present proprietor bought the remnant of coal in these old workings, the use of plant, etc., and is getting what he can out of them, with a force of 43 employes in the works. At both of my visits the air at the working faces was unavoidably bad, owing to the extent and irregularity of the old workings and the accumulations of old refuse. I advised taking the pillars in sets from the face backwards, as a means of insuring better air-ways.

James Conroy, a blind miner well known throughout the field, was badly hurt at this place while drilling out a shot which had missed fire. His injuries were thought to be fatal, but he recovered, and has given up mining.

THE VANCOURT MINE.

This mine is situated on the Ohio and Mississippi railroad at O'Fallon, and at my first visit was operated by B. W. Williamson. I found the place in very bad condition, and ordered extensive repairs, especially on the shaft, which subsequently caved in. In February a co-operative company of miners took the property, and have made good progress in excavating and retimbering the shaft, and have promised to put the place in good condition.

THE GARTSIDE COAL CO.

This company operates two mines, located on the Ohio and Mississippi railroad at Ridge Prairie, and known as the "Cross-Roads" and "Mentor" mines.

The Cross-Roads is an old mine, wrought on the double-entry plan, which gives employment to 65 men inside. The coal is mined with 5 Harrison machines. There is no escapement shaft, but an entry is being driven to connect the working with the company's mine adjoining.

The Mentor mine is a new mine, the shaft having been completed in June last. In November they were still working at the bottom, having just started cross-entries, one of which is to make the connection with the old mine, thus affording not only the necessary escapement for both, but a gallery for conducting the pipes conveying air from the compressor to the machines of both mines.

William Mellett, Superintendent.

THE EMMETT MINE.

This mine is on the Louisville and Nashville railroad. It was found in good condition, employing 28 men, to whom over 5,000 cubic feet of air per minute was distributed. This force has since been reduced until the engineer is able to do all the hoisting and dumping, and then trim the cars.

THE REINECKE MINE No. 2.

This property is located contiguous to the Belleville Nail Mill, and supplies that establishment with coal, which is delivered direct from the mine in pit cars to the mill. The miners at this place put a check-weighman at the top to inspect the weighing of the coal, and the proprietor thereupon removed his weighmaster, leaving the whole matter in the hands of the representative of the men.

Twenty-five men were employed underground at the time of inspection. A good volume of air was passing in the main entries, but still it was deficient in some of the rooms, and the attention of the pit-boss was called to it, with instructions to correct the evil.

YOCK BROS. MINE.

This is a single-entry mine, with entries 30 feet wide. It is connected with a foundry and machine shop owned by the same parties, who are the patentees and manufacturers of the Yock mining machines. The mine is worked with these machines, and gives employment to 65 men underground. All men are paid by the day. The blaster and loader work together, and receive \$4.40 for 24 boxes of coal, which is considered a day's work. The boxes contain 22 bushels. The air-ways are $10\frac{1}{2} \times 5\frac{1}{2}$ feet, and the volume of air passing measured 7,623 cubic feet per minute.

HAZZARD & EMORY, BELLEVILLE.

This is also a single-entry mine, employing 15 miners. At the time of my visit the air was being turned so as to thaw the ice out of the hoisting shaft, and since then I have had no opportunity to give it a personal inspection. Miners report good air and a good escapement. Mr. Emory, Sup't, looks after this place, and also the mines of the same parties on the Cairo Short-line.

A. OGDEN & SON, RENTCHLER.

These parties are operating a small single-entry mine, employing about 20 men. They ventilate with a furnace, and had an abundance of air. One or the other of the firm runs the engine. I have not been able to visit any of the mines on this road more than once.

RENTCHLER COAL CO.

This company employs about 10 miners, and shows a good volume of air in the workings. The coal is weighed at the bottom by the cager before it is hoisted, and the engineer dumps it and trims the cars. This company has only been in operation since last December.

WILLIAM CRAWSON & SONS, RENTCHLER.

These parties employ about 20 men, and are spoken well of by them. The volume of air is somewhat more than 100 cubic feet to the man. The scales at this place are also at the bottom of the

shaft, and they have a boy for the weighmaster, but he understands his business and gives entire satisfaction to all parties.

The escapement shaft is in fair condition. One of the sons is pit-boss.

THE MASCOUTAH MINE.

This place was condemned for want of escapement shaft, and as the proprietors of the mine and the proprietors of the land could not agree as to who should sustain the cost of sinking it, the mine was abandoned. It was operated solely to supply a local demand.

CONRAD REINECKE, MINE No. 1.

This mine is at Birkner Station. It is a machine mine, having eight Harrison machines in operation, and giving employment to 50 men underground, who are all paid by the day. The machine men are paid 4 cents per lineal foot on the face of the coal, the cut being 4 feet deep, and they average \$2.80 a day. Shovelers and loaders receive \$1.75 per day—the day's work being 24 cars, containing 18 bushels each. Blasters receive \$2.25 a day, the powder being furnished by the company. The air is split into two currents, showing 3,560 and 3,165 cubic feet per minute, respectively. A fan has been erected to supersede the furnace so as to permit of ladders in the air shaft for the escape of the men.

THE WELCH MINING Co.

Mr. E. W. Harris, of St. Louis, has the management of two mines of the above company located at Birkner—the Victor and Excelsior. The former has been idle for some time, and will only be reopened upon a revival of trade. There were about 20 miners employed at the Excelsior at the time of my visit. There was no current of air at the time, but a new air course was being pushed forward with a view to securing a shorter and better passage. Mr. Harris also contemplated introducing 4 of the Yock mining machines. He makes the statement that he can produce coal cheaper by hand-labor, but owing to the nature of the coal, the machine mining turns it out in better shape for the market. It is the custom with miners to blast it "off the solid" without undermining, which breaks it up too much. He has already had two machines in his place and states that the cost of operating the compressor is greater than the usual estimates.

KNECHT & SON.

This is a St. Louis firm operating a mine at Birkner, with five Harrison machines, when working up to their capacity. With four machines they employ a force of 38 men as follows: Four machine men at \$2.80 per day, 4 shovelers at \$1.75, 6 blasters at \$2.25, and 24 loaders at \$1.75. The day's work is measured by the number of boxes or pit cars filled, which at this place must be 24, containing an average of 20 bushels each. The average daily product is 266 tons. The mine is in good condition, and connection is made with mine adjoining to furnish facilities for escape. The air is distributed in two splits, with a total volume of 3,412 cubic feet.

This firm is distinguished as the only one in the district which offered any discourtesy to the inspector, and that emanated from their office in St. Louis, not from the gentlemen at the mines.

Harry Lester, Superintendent.

THE DUTCH HOLLOW MINE.

This and the Birkner Coal Co's. mine are owned and worked by coal miners for their own benefit. They are both single-entry mines, like most of the mines about here. The Dutch Hollow Mine gives employment to 24 miners, and is connected underground with the Knecht shaft. Their air ways are large enough, but the volume of air was deficient.

The Birkner shaft is connected underground with the Pollock mine adjoining. There are about 15 miners at work, and the amount of air in circulation measures twice as much as that in the former place.

Edward Avery, President.

THE POLLOCK MINE.

This is another Birkner mine, employing about 10 miners, and connected with two adjoining mines underground. The works were closed at the time of the inspector's visit, and had been for several days.

MILLSTADT COAL CO., AND OTHERS,

At Millstadt, on the Cairo and St. Louis Narrow Gauge Railroad, there are several mines, that of the above company and of the Millstadt Union Co. being entirely new. The shafts of both have just been completed and the engines and machinery are being put in position preparatory to hoisting.

In addition to the foregoing, there are four small mines operated, for local sales of coal, by John Behomann, John Crossman, Furham & Co., and the High Prairie Coal Co. These employ from 3 to 8 miners each for a part of the year only. At the two latter places the men were ordered out of their rooms until proper air courses were established, and steps were taken to secure second places of egress.

S. A. WISENBORN, HARMONY.

This station is on the Illinois and St. Louis Railroad, and the mine is a single-entry mine, employing about 50 men inside.

There was found an abundance of air, divided into three splits, and kept in circulation by furnace. I am not advised as to what they have done in regard to escapement shaft.

Samuel Daniels, Pit-boss.

ROSE HILL MINING CO.

This mine, on the line of the same railroad, was in good condition, giving work to 15 miners. Ventilation was ample. They have promised to erect fan, and enlarge air shaft for an escapement. This is also a company of miners, who have bought the coal and leased the plant of Hazzard & Emory.

James Day, Pit-boss.

JOHN KLOESS' NEW MINE.

This is a new mine, opened with single entries, and the rooms are turned off each side of main entries, making it very difficult, owing to numerous doors, to convey air properly to the working faces. A fan has been put up, and at my visit 50 men were at work underground.

Besides doing a fair shipping business, this mine is favorably located for team trade, of which they have considerable.

THE NORTHWESTERN COAL CO., BELLEVILLE.

This company has a single-entry mine, working 15 miners, and is connected below with the Green Mound mine, adjoining, the shaft of one being the downcast, and that of the other the upcast. The company is, however, sinking another shaft, with a view to abandoning this.

Joseph Schront, President.

THE GREEN MOUND COAL CO.

This mine adjoins the foregoing, and has the same system of ventilation. The company is composed of miners and Belleville merchants. These two, and five other pits in the same vicinity, were flooded by Richland creek in November last. The territory embraced in this disaster was about two miles in length by a half mile in width, and the mines filled were those of John Taylor, Henry Taylor, James Beattie, John Kloess and John Maul,—the latter, however, had been previously abandoned, and the pit-cars and iron taken out.

This damage to mining property was the consequence of carelessly mining under the possible bed of the creek, with very insufficient strata intervening between the coal and the surface.

WILLIAM RUBBLE & Co.

This firm is working an old mine, without any special system, but solely with the aim of securing whatever coal there may be, whether pillars or otherwise. They employ about 10 miners, and have plenty of air in circulation, owing to the fact that their shaft is the downcast for a current which ventilates two other adjoining mines belonging to the same estate.

THE HUMBOLT MINE.

This place has been operated by three different parties since I first knew it, and as the escapement shaft requires overhauling, there may be other changes still in the nominal ownership. There are usually about 10 or 15 men at work in the place, and for these there was 3,740 cubic feet of air.

There are several small places for mining coal for local trade, in this vicinity, the names of proprietors being James Charlton, Lawrence Faberer, Gellwicks & Richards, and Jacob Brosius, the latter of whom is required to sink an escapement shaft before resuming work for the winter.

SUMMIT COAL MINE.

This is an old mine, on the "Cairo Short Line," which has been worked since 1865, and employs at present about 20 men. There is a large area worked out, but the estate consists of 225 acres, much of which has not yet been touched. They have sunk a new shaft lately, to a lower seam, which is thought to be No. 4, the upper one being recognized as No. 5. This new seam is said to be of good quality, 2½ feet in thickness, and it is proposed to open it with the long-wall workings.

GARTSIDE MINE No. 2.

This mine has been closed ever since I came into the field, owing to the depression in the coal business. It is in good condition, and work will be resumed as soon as circumstances justify it.

GARTSIDE MINE No. 3.

This is a single-entry mine, worked by machines. There are 5 machines employed, requiring a force of 5 operators, 5 shovelers, 30 blasters and loaders, and 19 laborers, underground. Amount of air, July 23d, 3,423 cubic feet per minute. This place is worked in connection with the Branch mine adjoining.

THE SKELLETT MINE.

This place is operated conjointly with Schureman's mine, adjoining,—that is, a single compressor is used for the machines in both mines, as in the case of the Gartside and Branch mines. There are 8 Harrison machines in operation, employing in all about 100 men. For these the volume of air in circulation was 10,800 cubic feet per minute.

William Skellett, Superintendent.

THE POYNTON MINE.

This property embraces about 92 acres of land, 80 acres of which are worked out. A company of miners have a lease of the property, and are taking out the remaining mineral. There are about 10 men at work at it, all shareholders, and for these there is 1,200 feet of air in motion. Ladders are placed in the air-shaft, for purposes of escape.

John Polk, Superintendent.

HAZZARD & EMORY'S MINE.

This is an old mine, which has been very poorly managed, the works being very irregular and wanting in system, which renders it very difficult to conduct the air properly to the working places.

There are about 50 men employed, the total amount of air being only 2,310 cubic feet.

Charles Emory, Superintendent.

ENTERPRISE COAL MINING CO.

This is another company of miners who have leased an old mine of Hazzard & Emory, in which they are doing a small business, working old pillars and remnant coal.

THE BRANDENBERGER MINE.

This mine employs a force of about 50 men, and is ventilated by a furnace which gave a current of 3,080 cubic feet, but has since been greatly improved.

Mr. Brandenberger was one of the first operators to put scales on the dump for weighing coal in compliance with the law. The arrangement with the miners was that he should pay a quarter of a cent less per bushel for unscreened coal weighed at the top, or a quarter of a cent more for coal as weighed after screening on the track scale. This agreement was subsequently adopted at the mines in that neighborhood.

REEBS' MINE.

This was a small place, employing about 10 men, the coal being raised by horse-power. The owner was fined for violation of the mining laws, and the place has since been closed.

THE MAIN GUY MINE.

This mine is operated by Mr. John Maule. It has no shipping facilities, but its product is delivered direct to the adjoining nail mill of Messrs Waugh & Co., the surplus being sold to teams. About 25 men are employed, for whom there is a current of 12,342 cubic feet of air maintained. It is doubtful if this property will fulfill the expectations of its owners, owing to the difficulty of holding the roof, and the probable limited amount of coal.

HEINRICH COAL CO.

About 40 persons are employed in this mine at Heinrichtown, and at first the current of air measured only 2,718 cubic feet. Since then a fan has been put in increasing the volume, and the escapement shaft has been made available by the construction of ladders. The company owns 100 acres of land, and on it houses for their workmen. To each family, grazing is furnished for one cow free of charge.

THE REICHAERT MINE, FREEBURG.

This property is worked under a lease by Charles Beiker & Co., who employ about ten miners, for whom a volume of 9,790 cubic feet of air is furnished by a furnace. In this case as in many others I have induced the operators to introduce a fan in place of furnace in order to enable them to place ladders in the air shaft and make it available for purposes of escape for the men in case of emergency.

FREEBURG COAL CO.

Fourteen miners and the necessary auxilliary force are employed in this mine, which is ventilated by furnace. The furnace in this case also is to be superseded by a fan and the air shaft utilized for escapement purposes.

THE RICHLAND MINE.

This is located at Wilderman Station, and is operated by the Dutch Hollow Co., which is a co-operative company of miners. There are 12 of them and they have 4 mining machines, two of Harrison's and two of Yock's patent. Only one of them was being used at the time of my inspection. There was plenty of air, but they have determined to substitute fan for furnace.

BRANDENBERGER'S MINE.

This is also at Wilderman Station. On my first visit they were using two machines of Mr. Brandenberger's invention; subsequently I found them both discarded. They were very heavy and were designed to be worked with steam. About 30 men are usually at work underground, and the amount of air was increased, after my first visit, from 3,150 to 5,404 cubic feet by cleaning up and shortening the air ways. At this place the furnace is on the surface. There is also an escapement shaft in good condition, equipped with ladders and substantial landings at the head of each.

DEUZENBURGH'S MINE.

Hanke, Miller & Co. operate these works, employing about 35 people inside. They have chutes for coaling locomotives, which trade is shared with them by the White Oaks Co. The main entries are single, and the cross entries double. They ventilate with a furnace which is large and well built. The air shaft is partitioned off and furnished with ladders for the use of the men.

William Miller, Superintendent.

THE MARISSA COAL CO.

This is a double-entry mine, in which 30 men find employment. The furnace at this place was stopped, and an escapement shaft begun.

THE WHITE OAKS MINE.

Messrs. Tijou, Donk & Co. operate two double-entry mines at this place, both in excellent condition. The furnace here was superseded by a fan, increasing the volume of air from 6,890 to 11,760 cubic feet per minute.

JOSEPH KRAUS & BRO., BELLEVILLE.

This mine has a slope opening, the coal being hauled out with mules, though it is contemplated to introduce an engine for that purpose. Fifteen miners are employed, and the workings are ventilated by use of pump with upright boiler. The air shaft is being fitted up for an escape shaft.

CONCORDIA MINING CO.

This a new enterprise the shaft having just been completed. Sixteen miners were at work driving entries, the coal being dumped on railway cars. The proprietors promised to sink escapement shaft, and make the outfit all the law requires.

PERRY COUNTY.

THE PARADISE MINES, HALLIDAY BROS., ST. JOHNS.

This is the most extensive single opening in this district. It is a slope with brick archway 820 feet length, the incline being 1 in 20. The hauling cable is now one mile in length. The depth of the coal as surveyed by Mr. Bulmer, the underground manager, with a view to sinking shaft, is 420 feet below the surface. These are double-entry workings, but the nature of the underlying clay renders it necessary to leave very heavy pillars. They nevertheless save 80 per cent. of the coal, which is a large percentage under the circumstances. Ventilation is secured by a large furnace well attended night and day. The overcasts are arched with brick. The air is, we taken care of, carried well up to the faces, and measured in the return air way 15,891 feet. At the time of my first inspection there were 150 miners, 8 boys, 35 laborers and 35 mules and drivers, at work in the mine. The coal is taken from the mouth of the slope by the company's locomotive which hauls the pit cars about a mile and a half west to St. Johns, where there are extensive salt works. The product of 5 wells is here evaporated producing 270 barrels of salt daily. The slack screened from the coal at the mines is taken up, washed and manufactured into coke.

M. C. Wright, Superintendent, J. Bulmer, Underground Manager.

THE ENTERPRISE COAL AND COKE CO.

The mines of this company are situated about a mile south of DuQuoin, and are the southernmost mines in Perry county, and are connected by switch with the Illinois Central railroad. The works are laid out on the double-entry system, and ventilated by the largest furnace in the district, its dimensions being 85x6 feet, and

he height $6\frac{1}{2}$ feet in front and $7\frac{1}{2}$ feet at the back. I found 15,180 cubic feet of air in the passages on my first visit, which was materially increased on my next. This mine is in excellent condition, and was employing 70 men and 8 mules underground.

J. Cunliff, Sup't; Matt. Davidson, Underground Manager.

THE STAR COAL MINING CO.

This company is located on the Illinois Central Railroad, and, like the other mines in this county, is operated and worked systematically on the double-entry principle. The company owns or leases 160 acres of land, one-half of which is worked out. The remainder will be abandoned next summer owing to a bad roof inside and a bad market outside. They are taking pillars at present.

Henry Horn, Sup't; Mr. Jeremiah, Underground Manager.

THE PERRY COUNTY COAL CO.

This company has just completed a new shaft, and an escape-ment shaft bricked from top to bottom. They have their machinery in operation and are driving entries at the bottom. Mr. Goddard, Sup't, kindly furnishes the following memoranda of strata encountered in sinking shaft:

| | Ft. | In. |
|-------------------------------|-----|-----|
| Soil, sub-soil and clay | 14 | .. |
| Boulders and limestone | 5 | 6 |
| Clayey shale | 9 | .. |
| Coal | .. | 4 |
| Fire clay | 5 | .. |
| Hard gray limestone | 5 | 6 |
| Soapstone | 7 | .. |
| Coarse gray limestone | 7 | .. |
| Blue limestone | 6 | .. |
| Black shaly slate | 4 | .. |
| Dark sandstone rock | 3 | .. |
| Coal | 5 | 1 |
| Total depth..... | 71 | 10 |

THE SUN COAL AND COKE Co. No. 2.

This mine is located still further north than the foregoing, and the depth of the coal is 80 feet.

This is a double-entry mine, ventilated with furnace, which supplies 5,700 feet of air to about 70 men and four mules. The company will abandon this mine in July next, upon the expiration of their lease, and open up their new mine in the same vicinity, known as No. 3. This mine, however, may still be operated by other parties. It is a dry mine, and in good condition.

SUN COAL AND COKE Co. No. 3.

This mine has recently been opened, and the company is fitting it up in good shape, preparatory to handling a large amount of coal, and putting it on the market in good condition. It is a double-entry mine, laid out in good form, and will be in excellent working order when they are ready to abandon their present work.

James Buchanan, Sup't.

DUQUOIN COAL MINING Co.

This company has abandoned their mine due east of town, owing to a bad roof and the fact that they have to haul their shipping coal a mile to the track. They have mining property, however, on the Cairo Short Line, with good shipping facilities, which they will doubtless develop.

FRIZZELL COAL Co., DUQUOIN.

This is a small mine about a mile from the Illinois Central track at DuQuoin, and all coal which is shipped has to be hauled that distance. The mine is in fair condition, and ventilated by furnace. An escapement shaft has been sunk and ladders are being placed in it. About 10 men are employed in the mine. The company is desirous of complying with all the requirements of the law.

George Spencer, Sup't.

THE MOON MINES, DUQUOIN.

This is a small mine, operated only in winter, badly ventilated with an open fire on the floor of the mine. The air and escape shaft need reconstructing, which the Superintendent, J. B. Machin, has promised to do before he starts up for the winter.

Several small mines, either idle or abandoned, were visited in this vicinity, among them that of Richard Baillie, George Winn, the Gallum mine, and the Lake mine, which will undergo some necessary improvements in case business is resumed.

D. C. BARBOUR & SON, TAMAROA.

The mine of this firm was found in bad condition at my first visit, but subsequently several desired changes were made; among them was the erection of a 7-foot fan, the covering of buildings with fire-proof materials, and the making of an underground connection with an adjacent mine for escapement. They are also putting in 1 iron in the place of wooden track, and are making good their promise to put the place in standard condition.

D. C. Barbour, Sup't.

THE COX MINE, TAMAROA.

This mine is operated by Mr. P. White, and is adjoining the foregoing, with which an underground connection is being made. Like that, it was found in bad condition, but a fan will be put in and other improvements made. This place is very much in need of a competent underground manager. One of the miners was detailed to accompany the inspector, as the only person on the place who was familiar with the workings. A good pit-boss, well paid, will always save money and save coal for the mine owner.

JOHN H. SCHULTZE'S MINE.

This place is near Pinckneyville, and is run in winter in connection with a saw-mill, the engine of which hoists the coal. The proprietor owns only 11 acres about the mill, and though complaining of the expense of it, has sunk an escapement shaft.

MULENE & MILLER, PINCKNEYVILLE.

This firm has recently opened a new mine in a 6½-foot seam of coal, and will drive an entry at once to an old well and enlarge it for an escapement shaft.

THE BEAUCOUP MINE.

Donk Bros. own 200 acres of land here and were permitted to drive some experimental entries, with a view to testing the value of the seam, and if advisable, sinking a new shaft. The place was ultimately abandoned.

JACKSON COUNTY.

THE CARBON HILL MINE.

This mine is about two miles southeast of Carbondale, and is operated by Samuel T. Brush. The shaft has been abandoned, and a drift opened into the same seam. The mine has been worked all summer, with an increasing business and good prospects. Mr. Aitkinson, Superintendent, has made a successful opening of the drift, and will utilize the abandoned shaft for an escapement.

THE ST. LOUIS ORE AND STEEL CO.

The property of this company was placed in the hands of a receiver on the 24th of July. No. 3 shaft, which gave employment to about 50 miners, but was wholly deficient in proper ventilation, was fortunately closed. The No. 7 tunnel, employing about 150 miners, also had the air courses badly caved in and choked up. When operations are resumed many improvements will be necessary, which Mr. Simpson, the present Superintendent, proposes to make. The coke ovens belonging to this company, and connected with these mines, are also suspended until the beginning of the year.

GARTSIDE COAL CO.'S MINE.

This mine is situated on the Cairo and St. Louis Narrow Gauge Railroad, the office of the company being in St. Louis. It is a double-entry mine, employing 100 men inside, and is ventilated with steam, the volume of air in circulation being 7,518 cubic feet. The company has enlarged and retimbered with heavy timber one of their hoisting shafts, so as to enable them to raise one-ton cars. It is now ready for extensive operations.

Mr. Daniels, Superintendent.

THE CARBONDALE COAL AND COKE CO.

Harrison Shaft.

This is a double-entry mine, in good condition, employing 117 men and boys and 8 mules underground. It is ventilated by water-fall in the escapement shaft, and steam in the hoisting shaft, which is the up-cast. The air in the passages measured 10,706 cubic feet. This place is distinguished for the harmony existing between the company and the men. This is owing largely, in the first place, to an annual adjustment of prices. The company weighs and pays the miner for all the coal in his car, upon the stipulated scale, and then screens and assorts it to suit the market. The management also provides for a board of arbitration or adjustment, composed of five miners, two designated by the company, two by the miners, and the fifth chosen by them. The duties of this board consist of the investigation of all complaints or misunderstandings which may arise as to prices for work, or grievances of any nature. They also inspect and adjust the scales, and otherwise administer upon affairs affecting the interests of miners or proprietors. Only in case of disagreement among the members of the board are difficulties of any kind referred to the General Manager, who visits the mine and hears the case within ten days after notice from the committee. This plan has been in successful operation for six years, to the mutual advantage of both parties, and has secured most amicable relations between them. Mention of this matter is made here in the hope that the experiment may be tried elsewhere.

A. C. Bryden, General Manager, St. Louis.

THE BIG MUDDY COAL CO., MURPHYSBORO.

This company's shaft is located at De Soto, on the Illinois Central Railroad. It is a single-entry mine employing 20 men underground. The proprietors do not secure as much trade as they ought with the quality of coal they have, and the facilities for getting it out, and the mine is consequently not run steady.

WASHINGTON COUNTY.

DUBOIS COAL Co.'s MINE.

This is a single-entry mine affording employment to about 50 men in all. There was found 6,937 cubic feet of air in circulation, but a large portion of it was lost before reaching the working faces. The ladders in the escapement shaft were burned out in July, but have since been replaced. The erection of a fan was contemplated, and recommended by me, but the present pit-boss determined upon a furnace, though in my opinion it involves more expense and does not secure as good results.

G. W. Brown, President.

NASHVILLE COAL Co.

Hartman & Yock.

This mine is employing about 40 men and had a volume of air measuring 8,370 cubic feet per minute, divided into two splits, affording good ventilation. Mr. Hartman acted promptly on all suggestions of the inspector,—promised to get a fan, and the contract for escapement shaft was let, the work to be finished in August.

William Anderson, Pit-boss.

MARION COUNTY.

CENTRALIA MINING AND MANUFACTURING Co.

This company's mine is a well-planned, well equipped and extensive colliery, with double entries, and operated for a large business. There are about 100 men employed, and there was over 15,000 cubic feet of air in circulation. For this a fan is in use, but a larger one will replace it upon the completion of a new shaft now in process of construction. There is a pair of powerful direct-acting engines, of the Litchfield manufacture, for hoisting purposes, and a smaller one for operating a revolving screen and elevating the slack. Everything is done in a thorough and substantial manner.

John Forsythe, Superintendent.

SANDOVAL COAL AND MINING Co.

This is another important mine of the double-entry class, employing about 75 men. The workings are systematically laid out, and arrangements are being perfected to split the air current, thus largely increasing the efficiency. Owing to litigation, involving the title to the company's land, there has been some delay in sinking an escapement, but that is now under way. A large body of water bearing sand has, however, been encountered, which is causing delay and unusual expense. The plan of the work contemplates a first-class escapement shaft when completed.

J. S. Middleton, Superintendent.

CLINTON COUNTY.

THE TRENTON MINE.

This mine is located on the Ohio and Mississippi Railroad track at Trenton, Joseph Hanke, proprietor. It is a double-entry mine in five feet of coal. An old hoisting shaft is used for escapement, where an engine is placed to run pumps, and hoist men if necessary. This mine makes a great deal of water, requiring the constant use of two large Cameron pumps. Ventilation is secured by steam jet from pump, but only 6,720 feet was found for about 100 men and 10 mules. Mr. Hanke, however, is about to erect a fan to obtain a better volume. He is at present engaged in putting in track scales, extra pumps and steam jets, iron track, and in retimbering the entries, with a view to bringing the place in all respects up to the legal standard.

BREESSE MINING Co.

This company is composed of the merchants and miners at Breese, and they have a shaft 400 feet deep to a seam eight feet in thickness. Coal was reached in 1382, and opened on the double-entry system. The entries are 12 feet in width, giving abundant area for a good volume of air. Circulation is obtained by use of an upcast tower about 25 feet in height, the difference in temperature alone producing a current of 7,273 cubic feet per minute, which illustrates the advantage of roomy well kept air ways. Owing however, to the fluctuations in temperature, a fan has been erected to secure a uniform current. An escapement shaft will be sunk at once.

CARLYLE.

The shaft which has been in progress at this point for a number of years is at present abandoned, though the people do not despair of eventually reaching a paying seam of coal.

· SALINE COUNTY.

ILLINOIS IRON AND COAL Co., HARRISBURG.

Eighty men and four mules were found at work at this place, with only 2,500 cubic feet of air in circulation, which is hardly more than that required for the animals alone. The air courses were circuitous and badly obstructed, while comparatively little work might effect material improvement. This was undertaken at once, and a new shaft begun for an upcast, so as to air the mine in two divisions.

Wm. Harpool, Sup't.

NEWCASTLE MINE.

This is a new mine, operated by horse-power, employing 10 men, and with escapement shaft just completed.

Mason Alson, Proprietor.

CLIFTON MINE, HARRISBURG.

This is a slope opening, the coal being hauled out by mules. It is a double-entry mine, well planned and operated, and in the best condition of any mine in the county. The working force consists of about 65 men, and the air is carried well up to the working places.

Roberts & Howells, proprietors.

LEDFORD MINE.

This is also a slope, the coal being hauled about 200 yards to the tippie on railroad track. In the main entries there was 12,000 cubic feet of air, but before the men were reached this was reduced to a minimum.

Fifty men and 4 mules were at work underground, the men receiving at their places only 4,340 feet of air. A change made in underground managers will, it is expected, secure much needed reform in the condition of this mine.

C. O. Godfrey, proprietor.

DAVENPORT MINE, HARRISBURG.

This mine has been recently opened, and had as yet no side-track for shipping purposes, but was doing some local trade. The place will be opened up on the double-entry system, as soon as rail connections are made, and an escapement shaft will be sunk. The coal is 5 feet thick and 28 feet below the surface; 20 of which is soil and clay, 6, limestone, and 2 slate.

GALLATIN COUNTY.

EQUALITY COAL AND COKE CO., CASSELLS & TEMPLE.

This company has both a drift and a shaft, and employed about 30 men in each at the time of my visit. The drift, however, is about to be abandoned as worked out, while the shaft is new, with double-entry workings. The coal is faulty and dips away from the shaft. Entries are being driven to test the character and condition of the seam. Ventilation is secured with exhaust steam from the pumps, and the volume measured 3,520 cubic feet per minute.

This company formerly, and for many years, manufactured salt in the vicinity of the drift opening, and is now engaged in the manufacture of coke in a limited way. The coal is crushed, and carried by a perforated conical screen to the washer, where it passes from hopper to hopper and is thoroughly cleaned for the ovens. This careful preparation gives a good, clean strong coke. These ovens are narrow and high, about $2\frac{1}{2}$ feet wide and $4\frac{1}{2}$ feet high, and this shape leaves the coke in larger, or rather, longer pieces. This coke has a fine, close texture, but seemed rather lighter than that made in Jackson county, though a test would have to be made to decide that definitely.

WILLIAMSON COUNTY.

CARBONDALE COAL AND COKE CO., CARTERVILLE.

This company owns and operates an important mine at this place as well as the one in Jackson county already reported upon. The same policy is pursued at both places, and the same harmony prevails between the company and its employes. The miners here are a sober and intelligent class, many of them owning their homes, and some of them owning farms in the vicinity.

The coal in this mine is $9\frac{1}{2}$ feet thick, about two feet of which is left at the top to strengthen the roof, which in some places is nothing but clay. After the chambers are worked out this top coal is generally taken down. The slack is transported to Harrison, Jackson county, where the company's coke ovens are located, to be made into coke. The coke manufacture is located at that place on account of the abundance of water furnished by the Big Muddy river. The process here consists of crushing the coal, then hauling it with elevator to the washer, where the plungers keeping the coal in constant motion force it over the screens into cars which take it to the openings in the tops of the ovens. All the ovens are charged in the same manner, and their capacity is from four to seven tons, the time for coking being 24 hours or 72 hours, or even longer, as may be desired. The ovens are all charged for the same time however, and as soon as the time has expired, they are drawn, and re-charged at once, so as to maintain the uniformity of heat, which is essential to the making of good coke, for which purpose also, alternate ovens are drawn and charged. The washing and screening process removes all impurities which have a greater specific gravity than coal, and it is only those which have about the same which can find their way into the coke. Coals with slaty partings are not suitable for coking for this reason. Even when the slaty seams are hardly perceptible in the coal, they become very apparent in the coke. At Harrison there are three "nests" of 36 ovens each, or 108 in all, 40 of which have been in operation all summer. They are built back to back, and each oven is 16 feet long, 6 feet wide, and $3\frac{1}{2}$ feet to the top of the arch, inside measurement. The charge for seventy-two hour coke is five tons. The coke made by this company is said to be of excellent quality, competing in some instances successfully with the celebrated Connelsville coke.

Two neighboring mines are also operated by this company, in the vicinity of Carterville,—the Williamson County Mines, (known as the Laffin Slope,) and the Dodd Shaft. The former was the first opening of the company in this county. It is a single-entry mine, in the same seam, employing about 80 men, for whom there was found over 9,000 cubic feet of air in circulation.

The workings at the Dodd shaft are double-entry, and connected underground with the foregoing. At the time of visit, there were about 100 men at work, with 7,784 cubic feet of air in circulation.

In addition to the foregoing, there are two small places in the county, operated for the local trade,—one near Marion, worked by J. B. Williford, and one near Carterville, worked by J. A. Young.

A drift was opened in a two-foot seam of good quality, two miles west of Carterville, by George Wright, which subsequently was abandoned.

RANDOLPH COUNTY.

JONES & NESBIT, COULTERVILLE.

This shaft is 325 feet deep, and in November gave employment to 30 men and 3 mules. For these there was 3,600 cubic feet of air in circulation, in one current. Connection was made by driving a narrow entry, with their new shaft used as an escapement. I advised the enlargement of this, which was subsequently done. On the 6th of December an explosion of gas occurred, burning six men, for account of which see list of accidents. On the 8th of December there was 11,418 feet of air in motion, and no gas has been encountered since.

BARNARD COAL COMPANY, NEAR CHESTER.

This is a single-entry mine, the product of which is delivered in Chester for steamboat use. They employ 25 men, and the amount of air in the passages was 2,300 feet. Furnace has since been repaired, and the air shaft has been made available for escapement.

WILLIAM GALBY, PERCY.

Coal was opened at this place in July, and as yet but little mining has been done. It is a single-entry mine, and the coal is hoisted by horse-power. An escapement shaft will be sunk at once.

RANDOLPH COAL MINING COMPANY, PERCY.

This is a new company, who have just opened up the coal. It is 44 feet deep—21 feet of soil and clay, 17 feet of lime rock, 1 foot of shale, and 5 feet of coal. It is designed to open double entries, and hoist with gin.

R. H. ROSEBOROUGH, SPARTA.

About 25 men were found employed at this mine, with sufficient ventilation. Work has been suspended since, but an engine has been substituted for horse-power at the hoisting shaft, and preparations made for resuming on a larger scale.

D. B. BOYD, SPARTA.

This is a double-entry mine, employing about 25 men in the shipping and local trade. There was found 7,000 feet of air, carried well up to the faces. Escapement shaft was put in repair, brake put upon the hoisting gin, track scales put in, and a disposition manifested to comply with all legal requirements. This is about the best managed mine in the county, and is in charge of Mr. Davidson, a competent and intelligent pit-boss.

THE EDEN MINE, SPARTA.

This is a small single-entry mine, employing few men, and devoted to the local trade. It was doing a fair business, but was not in good condition. There was no escapement shaft, the traveling ways were narrow, and a hemp rope was used for hoisting, with horse-power, in a shaft 150 feet deep. Unless radical changes are made in this and other similar places in the vicinity, the inspector will have no alternative but to close them up.

There are several small "country banks" in this vicinity, worked, more or less irregularly, by farmers or others, for neighborhood supply, not deserving mention as mines, which are nevertheless recorded as contributing to the coal product of the county.

CASUALTIES IN THE FIFTH DISTRICT.

FATAL ACCIDENTS.

No. 1. Frank Cook, driver at the mine of the Frizzell Coal Co., aged 18, was killed by being caught with the cage. The company settled with his mother, who is a widow.

No. 2. Thomas Sowman was killed October 17, at Tunnel No. 7 of the St. Louis Ore and Steel Company, by the fall of coal. He had been left in his room to finish loading some coal by the other men working in the vicinity, and by the man who worked in the room with him. Subsequently the driver returned for the coal, saw no light in the room and went away, supposing Mr. Sowman had also gone. As he was missed, however, at supper, search was made for him, when he was found in his room with his head crushed under a mass of coal which had fallen upon him. He left a widow and three children.

No. 3. Alex. Temple was killed November 30, at Roseborough's shaft, on the Cairo and St. Louis Railroad, by a fall of coal. He was 18 years old, and was working alone in a room adjoining that of his brother-in-law. The latter on going in to look after him found him crushed beneath the coal and dead.

No. 4. Fritz Heisler, widower, aged 63, was also killed by falling coal in his room at Knaus & Brother's mine, December 11. He was loading his box and standing under the coal which was cut on one side. It gave way without warning and killed him instantly. This practice of working under coal which is partly detached is a custom more or less prevalent in this district, and miners are disposed to resent any suggestion as to the danger of it.

No. 5. Edward Suddoth was also killed by the falling of coal at the Trenton mine, on the 1st of March.

No. 6. Thomas Hudson was killed at Tunnel No. 7, St. Louis Ore and Steel Company, by a fall of the top coal. He had fired a shot just before dinner, and immediately afterwards went in to the face and sat down in front of the coal, when it fell upon him. He died from his injuries before he could be removed from the mine. He left a widow and four children.

No. 7. Paul Superabe, aged 40, unmarried, was undermining a standing shot, working alone because he was not considered a good

workman. There was a slip running through the coal and roof, and when he had cut under to the slip, the coal and rock came down, crushing him so that he died before he could be carried home.

No. 8. Adam Kunkle was killed at Conrad Reinicke's Shaft No. 1, May 17. He was engaged the day before to shovel away from a machine. While so occupied, some loose coal from the face fell on him in such a manner as to inflict fatal injuries.

NON-FATAL ACCIDENTS.

No. 1.—June 6, 1884, at Centralia mines. Joseph Taylor fired a shot which knocked out the props; while resetting them a quantity of slate fell, breaking his leg.

No. 2.—September 7, 1883, at White Oak mine. John Hailson had his head bruised by falling slate.

No. 3.—July 12, 1883. Fred. Desbergh, while setting props, had both legs broken by falling slate, at Marrissa Coal Co.'s mine.

No. 4.—November 15, 1883. While Martin Samllam was making a cartridge, it bursted. In catching the powder in his hat, it ignited from a spark from his lamp, exploding a keg of powder near by, burning him severely.

No. 5.—At Bruce mine. Frank Senter, while filling his car, had his arm broken by falling coal.

No. 6.—Henry Dyer was burned by powder, at Bruce mine, while drilling out a hole that had missed fire the evening before. He was idle four weeks from its effects.

No. 7.—March 1, 1884. Henry Vogel was seriously hurt by falling coal, at Joseph Hanke's mine, Trenton, and was unable to work for two months.

No. 8.—December 4, 1883. J. Williams (a colored miner), at St. John's mine, had his leg broken by falling coal, while filling his car.

No. 9.—December 10, 1883, at St. John slope. Henry Baird, while unloading a car, had his leg broken by falling slate.

No. 10.—November 15, 1883. Randolph Bishop had one leg broken and the other dislocated at hip, by falling slate, while loading a car with slack, at Sun coal and coke mine.

No. 11.—May 5, 1883. Francis Doyle, at St. John slope, was drawing pillars and shoveling coal from under top coal and slate, to take down coal and set timbers to the slate, when it came down, bruising him severely on his hips and head, knocking out eight teeth.

No. 12.—T. Howells, at DuQuoin Coal Mining Company's mine, was hurt in the groin, by rope slipping off the drum, while he was at work on top of the cage putting in guide.

No. 13.—May 31, 1884. John Gamble had his collar bone broken. While bringing out a trip of full cars at Schureman mine, a wheel was broken on the car he was riding, throwing him against the rib.

No. 14.—June 24, 1884. Nicholas Gardner and Mathias Issler. were severely hurt at Schureman mine by falling roof. While running a machine, Gardner's left arm was badly cut, and Issler had his leg broken.

No. 15.—October 24, 1883. John Kingham, employed as shoveler for machine at William Skellet's mine, had his leg broken, by a collision of pit cars on one of which he was riding.

No. 16.—January 12, 1884. At Skellet mine, John Kummick was seriously injured, by slate falling on him, while loading a car with coal. His ribs were crushed into the lungs. The doctors say he cannot live.

No. 17.—September 29, 1883. James Smith was badly bruised on head and shoulders by falling slate, while working with a machine at Skellet mine. .

No. 18.—December 6, 1883. At Coulterville mines, by an explosion of gas, six men were seriously burned. James W. Sively had his clothes entirely burned off. John Malarn about his face and back. James Frior, face, neck and right hand. Frank Horn, face, back and arms. W. S. Reid, face and hands, John Orr, face, neck, arms and back.

No. 19.—March 11, 1884. Richard Beaty, driver at tunnel No. 7, was caught between the cars and bruised; he was idle one week.

No. 20.—March 20, 1884. At St. Louis Ore and Steel Co. mine, Forest Minnewell, while driving, was hurt by falling timber, knocked out by car jumping the track.

No. 21.—Watt. Bickton had his head cut and back hurt, by coal from a blast fired before he had time to get away.

No. 22.—November 14, 1883. Morgan Davis, was severely bruised at Providence Coal Co. mine, by the fall of coal he was undermining.

No. 23.—October 2, 1883. At A. Brandenberger & Co.'s mine, George Platt, had his arm broken by not going far enough away while firing a blast.

No. 24.—June 20, 1884. Frank Kamer had his back injured at John Kloes mine, by falling slate which he had tried to take down a short time before.

No. 25.—October 20, 1883. Anthony Faber was severely burned by the explosion of about two-thirds of a keg of powder, at Gilliwick and Richards mine.

No. 26.—May 17, 1884. At Hazard and Emory's mine, Charles Emory, Supt. In repairing escapement shaft, timber fell, striking him on the head; he was idle one week.

No. 27.—April 20, 1884. John Gardiner had his left leg broken by the bucket becoming detached and falling back on him, in a shaft which was being sunk by Pittsburgh Mining Co. at Belleville.

No. 28.—September 10, 1883. At Victor mine, Joseph Worms was hurt on his back by coal from a blast he had fired, and went back to examine.

No. 29. November 23, 1883. William Lewellin received a severe injury, at Victor mine, by coal from a blast striking him on his head.

No. 30.—April 10, 1884. While Joseph Worms was taking down top coal at Victor mine, slate fell on him bruising his back.

No. 31.—September 14, 1883. Henry Lenz was hurt by cage coming down on him, while passing through the bottom of shaft at C. Reinicke's mine.

No. 32.—September 12, 1883. At C. Reinicke's mine No. 1, Bennet Kelner was hurt while loading a car.

No. 33.—October 11, 1883. Charles Reibling was severely hurt on his left side and leg, by loose coal falling on him, while shoveling for a machine, at C. Reinicke's mine.

No. 34.—March 14, 1884. At C. Reinicke mine, Victor Schendlin received a bruise on his back and arm by falling slate, while filling box of water.

No. 35.—January 14, 1884. Henry Markstorm was burned on his face, arms and breast, by igniting powder in a hole that had become clogged in charging, and which he was trying to force back. Idle two months.

No. 36.—May 17, 1884. While Adam Kunkle was shoveling for a machine at C. Reinicke's mine, about four or five bushels of coal fell on him, injuring him internally.

No. 37.—March 28, 1884. James Conroy was severely burned on his face, breast and arms, by the explosion of powder in a standing shot which he was drilling out at J. Taylor's mine, the blast of coal tearing the flesh from his right arm.

No. 38.—June 7, 1884. Joseph Bodaker was bruised on his side and abdomen by falling of roof between the props, at J. Taylor's shaft.

ST. CLAIR COUNTY—1884.

| Name of firm, company or individual oper- ating mine. | Town or post- office nearest the mine. | Capital em- ployed. | CHARACTER OF PLANT. | | | | | | | | | | EMPLOYER. | | | | | | PRODUCT. | |
|---|--|---------------------------|----------------------------|-------------------------------------|--|---|----------------------------|--|------------------------------|---|------------------------------------|----|--|--|----------------------------|---|--------------------------------------|---------|--|---|
| | | | Drift, slope or shaft..... | Steam, horse or hand- power..... | Depth of coal below the surface—feet..... | Thickness of coal—feet and inches..... | Geological No. of seam.... | Long-wall, or pillar and room workings..... | No. of places of egress..... | Ventilation, by fan, fur- nace or otherwise? | Number of miners employ'd | | No. of days worked during the year..... | No. of kegs of powder used during the year..... | No. men killed during year | No. of men injured (so as to lose time)..... | Price per ton paid for mining. | | No. of tons of coal pro- duced (including nut coal) | Average value of coal per ton at the mine..... |
| Dutch Hollow Coal Co. | Belleville..... | \$5,500 | Shaft. | Steam. | 180 | 6 | 6 | P. R. | 2 | Fur. | 12 | 12 | 200 | 130 | | | \$0 50 | \$0 62½ | 11,153 | \$0 75 |
| Emmitt Mine. | " | 6,500 | " | " | 135 | 6 | 6 | " | 2 | " | 12 | 12 | 230 | 140 | | | 50 | 62½ | 12,000 | 75 |
| Dutch Hollow Coal Co. | Birkner | 15,000 | " | " | 100 | 9 | 6 | " | 2 | Fan. | d | 14 | 250 | 200 | | | | | 19,584 | 75 |
| Dutch Hollow Coal Co. | Richland | 5,000 | " | " | 125 | 7 | 6 | " | 2 | Fur. | 30 | 30 | 240 | 420 | | | 50 | 62½ | 30,266 | 75 |
| Dutch Hollow Coal Co. | " | 10,000 | " | " | 100 | 6½ | 6 | " | 2 | Fan. | 45 | 60 | 308 | 250 | | | 45 | 62½ | 38,079 | 1 50 |
| Henrich Coal Co. | Henrichtown. | 8,000 | " | " | 185 | 5½ | 6 | " | 2 | Fur. | 15 | 25 | 220 | 250 | | | 50 | 62½ | 17,500 | 87½ |
| Joseph Morris, Nichol- son | " | 25,000 | " | " | 90 | 6 | 6 | " | 2 | " | 20 | 25 | 200 | 115½ | | | 44 | 50 | 14,847 | 65 |
| Summit Mining Co., No. 7 | Lebanon..... | 7,000 | " | " | 160 | 7½ | 6 | " | 2 | " | 10 | 15 | 200 | 240 | | | 35 | 52½ | 6,040 | 65 |
| Becker & Mack | Belleville | 6,000 | " | " | 84 | 6½ | 6 | " | 2 | " | 20 | 30 | 313 | 600 | | | 35 | 50 | 56,000 | 80 |
| H. J. Henick & Miller. | Freeburgh..... | 500 | " | Horse. | 90 | 6 | 6 | " | 1 | " | 4 | 8 | 300 | 70 | | | 50 | 50 | 9,500 | 1 25 |
| George Reuther, Irish | Belleville..... | 2,500 | " | Steam. | 90 | 6 | 6 | " | 2 | Fur. | 8 | 10 | 280 | 120 | | | 45 | 57½ | 7,200 | |
| Wm. Ruchle | " | 5,000 | " | " | 135 | 6 | 6 | " | 2 | " | 8 | 13 | 40 | 200 | | 2 | 37½ | 56½ | 8,020 | 65 |
| H. J. Henick & Miller. | " | 5,000 | " | " | 200 | 7½ | 6 | " | 2 | " | 30 | 40 | 200 | 200 | | | 62½ | 62½ | 20,000 | 75 |
| St. L. & High Prairie C. | Ridge Prairie | 500 | " | Horse. | 40 | 5½ | 5-6 | " | 1 | " | 8 | 8 | 91 | | | | 70 | 70 | 1,220 | 1 05 |
| and Mining Co. | Millstadt..... | 300 | " | " | 135 | 6 | 6 | " | 1 | " | 2 | 3 | 200 | 20 | | | 62½ | 62½ | 8,000 | 1 25 |
| St. Libory (Coal & M. Co.) | St. Libory..... | 300 | " | " | 48 | 6 | 5-6 | " | 1 | " | 6 | 8 | 250 | | | | 62½ | 75 | 8,950 | 1 25 |
| Fredericus & M. Kopf. | Millstadt..... | 8,000 | " | " | 80 | 6 | 6 | " | 1 | " | d | 11 | 250 | 2 | | | 37½ | 62½ | 6,000 | |
| Concordia Mining Co. | Belleville..... | 12,000 | " | Steam. | 160 | 6 | 6 | " | 2 | Fur. | d | 18 | 250 | 250 | | 2 | ..... | ..... | 48,000 | 75 |
| Rock Iron | " | 12,000 | " | " | 160 | 6 | 6 | " | 1 | " | d | 18 | 250 | 432 | | | 50 | ..... | 11,000 | |
| Gustave Wallberger | Lebanon..... | 6,000 | " | " | 160 | 5½ | 6 | " | 1 | P. M. P. | 18 | 26 | 217 |  |  |  | ..... | ..... | ..... | 75 |

| Owner | Location | Capital | Product | Output | Value | Profit | Loss | Other | Notes |
|---------------------------|------------|---------|---------|--------|-------|--------|------|-------|--------|
| Jeremiah Bennett | Belleville | 14,000 | Coal | 25,000 | 100 | 75 | 75 | 75 | 14,000 |
| Wm. Crowson & Sons, | Belleville | 3,000 | Coal | 25,000 | 100 | 75 | 75 | 75 | 14,000 |
| Gartside C. Co., Branch | Belleville | 25,000 | Coal | 25,000 | 100 | 75 | 75 | 75 | 14,000 |
| and Shaft 3 | Belleville | 25,000 | Coal | 25,000 | 100 | 75 | 75 | 75 | 14,000 |
| Gartside C. Co., Cross | Belleville | 25,000 | Coal | 25,000 | 100 | 75 | 75 | 75 | 14,000 |
| roads | Belleville | 25,000 | Coal | 25,000 | 100 | 75 | 75 | 75 | 14,000 |
| Gartside C. Co., Mentor | Belleville | 25,000 | Coal | 25,000 | 100 | 75 | 75 | 75 | 14,000 |
| Providence Coal Co. | Belleville | 25,000 | Coal | 25,000 | 100 | 75 | 75 | 75 | 14,000 |
| Wm. Ebell | Belleville | 25,000 | Coal | 25,000 | 100 | 75 | 75 | 75 | 14,000 |
| Rose Hill Mining Co. | Belleville | 25,000 | Coal | 25,000 | 100 | 75 | 75 | 75 | 14,000 |
| Bruggeman & Bloom | Belleville | 25,000 | Coal | 25,000 | 100 | 75 | 75 | 75 | 14,000 |
| Jno. Maule, Main Guy M. | Belleville | 25,000 | Coal | 25,000 | 100 | 75 | 75 | 75 | 14,000 |
| Wm. Brandenberger | Belleville | 25,000 | Coal | 25,000 | 100 | 75 | 75 | 75 | 14,000 |
| Schlesman Bros. | Belleville | 25,000 | Coal | 25,000 | 100 | 75 | 75 | 75 | 14,000 |
| William Skellett | Belleville | 25,000 | Coal | 25,000 | 100 | 75 | 75 | 75 | 14,000 |
| Wich Mining Co. | Belleville | 25,000 | Coal | 25,000 | 100 | 75 | 75 | 75 | 14,000 |
| S. A. Wusselborn | Belleville | 25,000 | Coal | 25,000 | 100 | 75 | 75 | 75 | 14,000 |
| Vancourt Mining Co. | Belleville | 25,000 | Coal | 25,000 | 100 | 75 | 75 | 75 | 14,000 |
| Enterprise Coal Co. | Belleville | 25,000 | Coal | 25,000 | 100 | 75 | 75 | 75 | 14,000 |
| Abbey Coal Co. | Belleville | 25,000 | Coal | 25,000 | 100 | 75 | 75 | 75 | 14,000 |
| Abbey Coal Co. | Belleville | 25,000 | Coal | 25,000 | 100 | 75 | 75 | 75 | 14,000 |
| Harding, Emory & Co., | Belleville | 25,000 | Coal | 25,000 | 100 | 75 | 75 | 75 | 14,000 |
| No. 1 | Belleville | 25,000 | Coal | 25,000 | 100 | 75 | 75 | 75 | 14,000 |
| Harding, Emory & Co., | Belleville | 25,000 | Coal | 25,000 | 100 | 75 | 75 | 75 | 14,000 |
| No. 2 | Belleville | 25,000 | Coal | 25,000 | 100 | 75 | 75 | 75 | 14,000 |
| Wm. Izatt, Pollock Mine | Belleville | 25,000 | Coal | 25,000 | 100 | 75 | 75 | 75 | 14,000 |
| Joseph Knous & Bro. | Belleville | 25,000 | Coal | 25,000 | 100 | 75 | 75 | 75 | 14,000 |
| Adam Ogden & Son | Belleville | 25,000 | Coal | 25,000 | 100 | 75 | 75 | 75 | 14,000 |
| Poynton Coal Co. | Belleville | 25,000 | Coal | 25,000 | 100 | 75 | 75 | 75 | 14,000 |
| J. A. Brandenberger & Co. | Belleville | 25,000 | Coal | 25,000 | 100 | 75 | 75 | 75 | 14,000 |
| Northwestern C. M. Co. | Belleville | 25,000 | Coal | 25,000 | 100 | 75 | 75 | 75 | 14,000 |
| Thou Donk & Co., White | Belleville | 25,000 | Coal | 25,000 | 100 | 75 | 75 | 75 | 14,000 |
| Oak | Belleville | 25,000 | Coal | 25,000 | 100 | 75 | 75 | 75 | 14,000 |
| Martissa Coal Co. | Belleville | 25,000 | Coal | 25,000 | 100 | 75 | 75 | 75 | 14,000 |
| Johnston Mining Co. | Belleville | 25,000 | Coal | 25,000 | 100 | 75 | 75 | 75 | 14,000 |
| Peter Reeb | Belleville | 25,000 | Coal | 25,000 | 100 | 75 | 75 | 75 | 14,000 |
| Dubuck & Co., Hum- | Belleville | 25,000 | Coal | 25,000 | 100 | 75 | 75 | 75 | 14,000 |
| bolt Mine | Belleville | 25,000 | Coal | 25,000 | 100 | 75 | 75 | 75 | 14,000 |
| Fisher & Harrison, Sum- | Belleville | 25,000 | Coal | 25,000 | 100 | 75 | 75 | 75 | 14,000 |
| merfield | Belleville | 25,000 | Coal | 25,000 | 100 | 75 | 75 | 75 | 14,000 |
| Quick Mining Co. | Belleville | 25,000 | Coal | 25,000 | 100 | 75 | 75 | 75 | 14,000 |
| Ca-ey lile | Belleville | 25,000 | Coal | 25,000 | 100 | 75 | 75 | 75 | 14,000 |
| Jacob Brosius & Co. | Belleville | 25,000 | Coal | 25,000 | 100 | 75 | 75 | 75 | 14,000 |
| G. Galwicks | Belleville | 25,000 | Coal | 25,000 | 100 | 75 | 75 | 75 | 14,000 |
| D. Knecht & Son | Belleville | 25,000 | Coal | 25,000 | 100 | 75 | 75 | 75 | 14,000 |
| George Crossman | Belleville | 25,000 | Coal | 25,000 | 100 | 75 | 75 | 75 | 14,000 |
| Smith | Belleville | 25,000 | Coal | 25,000 | 100 | 75 | 75 | 75 | 14,000 |
| B. Johnston | Belleville | 25,000 | Coal | 25,000 | 100 | 75 | 75 | 75 | 14,000 |
| John Kloess | Belleville | 25,000 | Coal | 25,000 | 100 | 75 | 75 | 75 | 14,000 |
| Freeburg Coal Co. | Belleville | 25,000 | Coal | 25,000 | 100 | 75 | 75 | 75 | 14,000 |
| Freiburg | Belleville | 25,000 | Coal | 25,000 | 100 | 75 | 75 | 75 | 14,000 |
| Conrad Reinecke No. 2 | Belleville | 25,000 | Coal | 25,000 | 100 | 75 | 75 | 75 | 14,000 |
| Belleville | Belleville | 25,000 | Coal | 25,000 | 100 | 75 | 75 | 75 | 14,000 |
| Conrad Reinecke No. 1 | Belleville | 25,000 | Coal | 25,000 | 100 | 75 | 75 | 75 | 14,000 |
| Birner | Belleville | 25,000 | Coal | 25,000 | 100 | 75 | 75 | 75 | 14,000 |

PERRY COUNTY—1884.

COAL MINES AND MINERS OF ILLINOIS.

595

| Name of firm, company or individual operating mine. | Town or post office nearest the mine. | Capital employed. | CHARACTER OF PLANT. | | | | EMPLOYEES. | | | | PRODUCT. | | | | | | | | |
|---|---------------------------------------|-------------------|----------------------------|---------------------------------|---|--|-----------------------------|---|------------------------------|---|---|--|---|---|---------------------------------|--|--|--|--|
| | | | Drift, slope or shaft..... | Steam, horse or hand-power..... | Depth of coal below the surface—feet..... | Thickness of coal—feet and inches..... | Geological No. of seam..... | Long-wall, or pillar and room workings..... | No. of places of egress..... | Ventilation, by fan, furnace or otherwise?..... | Number of miners employ'd Winter..... Summer..... | No. of other employes in and about mine..... | No. of days worked during the year..... | No. of kegs of powder used during year..... | No. men killed during year..... | No. of men injured (so as to lose time)..... | Price per ton paid for mining. Winter..... Summer..... | No. of tons of coal produced (including nut coal)..... | Average value of coal per ton at the mine..... |
| Enterprise Coal & Coke. | DuQuoin..... | \$15,000 | Shaft..... | Steam..... | 180 | 7 | 6 | P. R..... | 2 | Fur..... | 40 | 4 | 160 | 819 | ... | ... | \$0 56½ | 35,673 | \$1 05 |
| Star Mine..... | St. Johns..... | 6,000 | Slope..... | .. | 165 | 6 | 7 | .. | .. | .. | 40 | 20 | 220 | 800 | ... | ... | 56½ | 37,000 | 1 13½ |
| Ill. Cent. Iron & C. M. Co. | DuQuoin..... | 50,000 | Shaft..... | .. | 412 | 6 | 5½ | .. | .. | .. | 125 | 160 | 45 | 263 | ... | ... | 56½ | 109,000 | 1 00 |
| Perry Co. Coal Min. Co. | .. | 6,000 | .. | .. | 66 | 5 | 6 | .. | .. | .. | 9 | 5 | 103 | 55 | ... | ... | 56½ | 1,779 | 95 |
| Sun Coal and Coke Co. | .. | 10,000 | .. | .. | 80 | 5½ | 6 | .. | .. | .. | 50 | 60 | 260 | 1,150 | 1 | ... | 56½ | 3,894 | 1 00 |
| Sun Coal and Coke Co. | .. | ... | .. | .. | 80 | 5½ | 6 | .. | .. | .. | .. | .. | .. | .. | ... | ... | .. | .. | .. |
| Frizzell Coal Min. Co. | .. | 3,000 | .. | .. | 29 | 5½ | 7 | .. | .. | .. | 6 | 10 | 190 | 153 | 1 | ... | 56½ | 6,340 | 97½ |
| Donk Bros..... | Pineckneyville | 18,000 | .. | .. | 174 | 5 | 6 | .. | .. | .. | 12 | 25 | 9 | 156 | 410 | ... | 40 | 18,257 | 87½ |
| Tamaroa Coal Co..... | Tamaroa. | 8,000 | .. | .. | 200 | 5 | 6 | .. | .. | .. | 10 | 13 | 9 | 275 | 450 | ... | 41½ | 13,910 | 90 |
| Galum Mine..... | Pineckneyville | 2,000 | .. | .. | 71 | 6 | 6 | .. | .. | .. | 6 | 20 | 3 | 120 | 30 | ... | 37½ | 6,485 | 60 |
| John Schulze..... | .. | 600 | .. | .. | 72 | 6 | 6 | .. | .. | .. | 1 | 2 | 1 | 150 | 30 | ... | 50 | 1,200 | 1 00 |
| D. C. Barber & Son..... | Tamaroa. | 7,000 | .. | .. | 200 | 5 | 6 | .. | .. | .. | 12 | 13 | 10 | 233 | 330 | ... | 42 | 11,930 | 90 |
| DuQuoin Coal Min. Co. | DuQuoin..... | 5,000 | .. | Horse..... | 40 | 7 | 6 | .. | .. | .. | 10 | 20 | 5 | 200 | 300 | 1 | 56½ | 9,000 | 1 15 |
| Malone & Miller..... | Pineckneyville | 4,000 | .. | .. | 40 | 6½ | 7 | .. | .. | .. | 2 | 8 | 2 | 200 | 40 | ... | 54 | 1,400 | 1 25 |
| Richard Ballie..... | DuQuoin..... | 400 | .. | .. | 52 | 6 | 7 | .. | .. | .. | 3 | 6 | 2 | 200 | 30 | ... | 56½ | 1,000 | 1 00 |
| Totals..... | | \$131,400 | | | | | | | | | 326 | 461 | 118 | 2,810 | 6,967 | 1 | \$0 51 | 255,868 | \$0 98 |

JACKSON COUNTY—1884.

| Name of firm, company or individual operating mine. | Town or post-office nearest the mine. | Capital employed. | CHARACTER OF PLANT. | | | | EMPLOYEES. | | | | PRODUCT. | | | | | | |
|---|---------------------------------------|-------------------|----------------------------|---------------------------------|---|-----------------------------|---|---------------------------|---|--------------------------------|--|---------------------------------|---|---|------------------------------------|--|--|
| | | | Drift, slope or shaft..... | Steam, horse or hand-power..... | Thickness of coal below the surface—feet..... | Geological No. of seam..... | Long-wall, or pillar and room workings..... | No. places of egress..... | Ventilation, by fan, furnace or otherwise?..... | Number of miners employed..... | No. of men injured (so as to lose time)..... | No. men killed during year..... | No. of kegs of powder used during the year..... | No. of tons of coal produced (including nut coal.)..... | Price per ton paid for mining..... | | |
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RANDOLPH COUNTY—1884.

| Name of firm, company or individual operating mine. | Town or post-office nearest the mine. | Capital employed. | CHARACTER OF PLANT. | | | | EMPLOYES. | | | | PRODUCT. | | | | | | | | |
|---|---------------------------------------|-------------------|----------------------------|---------------------------------|---|--|-----------------------------|---|------------------------------|---|--------------------------------|--|---|---|---------------------------------|--|--|--|--|
| | | | Drift, slope or shaft..... | Steam, horse or hand-power..... | Depth of coal below the surface—feet..... | Thickness of coal—feet and inches..... | Geological No. of seam..... | Long-wall, or pillar and post workings..... | No. of places of egress..... | Ventilation, by fan, furnace or otherwise?..... | Number of miners employ'd..... | No. of other employees, in and about mine..... | No. of days worked during the year..... | No. of kegs of powder used during the year..... | No. men killed during year..... | No. of men injured (so as to lose time)..... | Price per ton paid for mining. Summer..... Winter..... | No. of tons of coal produced (including nut coal)..... | Average value of coal per ton at the mine..... |
| Barnard Coal Co..... | Percy..... | \$67,000 | Shaft..... | Steam, Horse..... | 100 5½ | 6 | P. R. | 2 | Fur..... | 12 8 | 10 2 | 240 | 500 | ..... | ..... | ..... | \$0 50 62½ | 18,980 | \$0 90 |
| William Golby & Son..... | Percy..... | 3,200 | ..... | ..... | 60 6 | 6 | ..... | 1 | ..... | 5 1 | 2 2 | 206 | 68 | ..... | ..... | ..... | 62½ | 2,567 | 1 25 |
| Randolph Coal Mining Co..... | Percy..... | 8,000 | ..... | ..... | 40 5 | 6 | ..... | 1 | ..... | ..... | ..... | 78 | 43 | ..... | ..... | ..... | 62½ | 646 | 1 25 |
| B. H. Roseborough..... | Sparta..... | 5,000 | ..... | ..... | 40 5½ | 6 | ..... | 2 | Fur..... | 15 25 | 6 6 | 225 | 250 | ..... | ..... | ..... | 62½ | 9,000 | 85 |
| D. H. Boyd..... | Sparta..... | 5,000 | ..... | ..... | 50 5½ | 6 | ..... | 2 | ..... | 16 4 | 6 6 | 183 | 240 | ..... | ..... | ..... | 62½ | 8,200 | 90 |
| Jones, Nesbit & Co..... | Coniterville..... | 10,000 | ..... | ..... | 30 6½ | 6 | ..... | 2 | ..... | 8 24 | 6 6 | 300 | 345 | ..... | ..... | ..... | 50 | 9,900 | 87½ |
| Geo. Staunray..... | Sparta..... | 800 | Slope..... | Steam, Horse..... | 15 4½ | 5 | ..... | 1 | ..... | 1 2 | 1 2 | 208 | 15 | ..... | ..... | ..... | 75 | 782 | 1 25 |
| Morris & Dobbins..... | Blair..... | 200 | Slope..... | ..... | 20 4½ | 5 | ..... | 1 | ..... | 2 2 | 2 2 | 100 | 10 | ..... | ..... | ..... | 62½ | 700 | 1 25 |
| T. A. Dobbins..... | Sparta..... | 400 | Shaft..... | ..... | 160 6 | 6 | ..... | 1 | Fur..... | 2 6 | 2 2 | 100 | 6 | ..... | ..... | ..... | 62½ | 300 | 1 50 |
| Totals..... | | \$32,600 | | | | | | | | 53 | 100 | 32 | 1,640 | 1,438 | ..... | ..... | \$0 54 62½ | 46,535 | \$0 92½ |

WILLIAMSON COUNTY—1884.

| Name of firm, company or individual operating mine. | Town or post-office nearest the mine. | Capital employed. | CHARACTER OF PLANT. | | | | EMPLOYEES. | | | | PRODUCT. | | | | | | | |
|---|---------------------------------------|-------------------|----------------------------|---------------------------------|---|--|-----------------------------|---|------------------------------|---|--------------------------------|--|---|---|---------------------------------|--|------------------------------------|--|
| | | | Drift, slope or shaft..... | Steam, horse or hand-power..... | Depth of coal below the surface—feet..... | Thickness of coal—feet and inches..... | Geological No. of seam..... | Long-wall, or pillar and room workings..... | No. of places of egress..... | Ventilation, by fan, furnace or otherwise?..... | Number of miners employed..... | No. of other employees, in and about mine..... | No. of days worked during the year..... | No. of kegs of powder used during the year..... | No. men killed during year..... | No. of men injured (so as to lose time)..... | Price per ton paid for mining..... | No. of tons of coal produced (including nut coal)..... |
| | | | | | | | | | | Winter..... | Summer..... | | | | | | | |
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SALINE COUNTY—1884.

[illegible]

WASHINGTON COUNTY—1884.

| Name of firm, company or individual operating mine. | Town or post-office nearest the mine. | Capital employed. | CHARACTER OF PLANT. | | | | EMPLOYES. | | | | PRODUCT. | | | | | | | | |
|---|---------------------------------------|-------------------|---|------------------------------|---|-------------------------------|--|---|-------------------------------------|--------------------------------|--|-------------------------------------|---|---|--|---------------------------|-----------------|-----------------|--------------------------------|
| | | | Ventilation, by fan, furnace or otherwise?..... | No. of places of egress. . . | Long-wall, or pillar and room-workings. | Geological No. of seam. . . . | Thickness of coal—feet and inches. | Depth of coal below the surface—feet. | Steam, horse or hand-power. | Drift, slope or shaft. | No. of men injured (so as to lose time). | No. men killed during year. | No. of kegs of powder used during the year. | No. of days worked during the year. | No. of other employes in and about mines | Number of miners employ'd | Winter. | Summer. | Price per ton paid for mining. |
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GALLATIN COUNTY—1884.

| Name of firm, company, or individual operating mine. | Town or post-office nearest the mine. | Capital employed. | CHARACTER OF PLANT. | | EMPLOYEES. | | | | | | PRODUCT. | | | |
|--|---------------------------------------|-------------------|--|--|--|----------------------------|--|--|--|---------------------------|---|--|---|--|
| | | | | | | | | | | | Average value of coal per ton at mine | | No. of tons of coal produced (including nut coal) | |
| Price per ton paid for mining. | Winter | | Summer | | No. of men injured (so as to lose time) .. | No. men killed during year | No. of kegs of powder used during the year. | No. of days worked during the year | No. of other employes, in and about mine | Number of miners employ'd | Winter | | Summer | |
| | Summer | | Winter | | | | | | | | Summer | | | |
| | | | Ventilation, by fan, furnace or otherwise? | | | | | | | | | | | |
| | | | No. of places of egress | | | | | | | | | | | |
| | | | Long-wall, or pillar and room workings | | | | | | | | | | | |
| | | | Geological No. of seam.... | | | | | | | | | | | |
| | | | Thickness of coal—feet and inches | | | | | | | | | | | |
| | | | Depth of coal below the surface—feet..... | | | | | | | | | | | |
| | | | Steam, horse or hand-power | | | | | | | | | | | |
| | | | Drift, slope or shaft..... | | | | | | | | | | | |
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* Still idle.

MARION COUNTY—1884.

| Name of firm, company or individual operating mine. | Town or post-office nearest the mine. | Capital employed. | CHARACTER OF PLANT. | | | | EMPLOYES. | | | | PRODUCT. | |
|---|---------------------------------------|-------------------|--|-------------------------|--|------------------------|-----------------------------------|---------------------------------|----------------------------|-----------------------|--------------------------------|---|
| | | | Ventilation, by fan, furnace or otherwise? | No. of places of egress | Long-wall, or pillar and post workings | Geological No. of seam | Thickness of coal—feet and inches | Depth of coal below the surface | Steam, horse or hand-power | Drift, slope or shaft | Price per ton paid for mining. | No. of tons of coal produced (including nut coal) |
| | | | | | | | | | | | Winter | |
| | | | | | | | | | | | Summer | |
| Centralla Mining and Manufg Co. No. 1 | Centralla | \$35,000 | 2 Fan. | 1 P. R. | 7 | 569 | 7 | 603 | 5 1/2 | 1 | \$0 62 1/2 | 57,000 |
| Sandoval Coal and Mining Co | Sandoval | 25,000 | .. | .. | 1 | 603 | 5 1/2 | 1 | .. | .. | 62 1/2 | 53,000 |
| Totals | | \$60,000 | .. | .. | .. | .. | .. | .. | .. | .. | \$0 62 1/2 | 109,000 |

RECAPITULATION BY COUNTIES.

| Counties. | Capital employed. | Acreage..... | No. of mines..... | No. of mines shipping coal.... | No. of mines in local trade..... | Kinds of power employed | Kinds of openings. | Modes of working coal, pillar and room, long-wall, single and double entry. | No. of miners and other employees. | Average No. of days worked.. | No. of men killed..... | No. of men injured so as to lose time..... | Average price per ton for mining. | No. of tons of coal produced, including nut..... | Average price of coal per ton at the mines..... | No. of mines with escapement shaft. | No. of mines without escapement shaft..... | Kinds of power used for ventilation. | | | |
|-----------------|-------------------|--------------|-------------------|--------------------------------|----------------------------------|-------------------------|--------------------|---|------------------------------------|------------------------------|------------------------|--|-----------------------------------|--|---|-------------------------------------|--|--------------------------------------|--------------|----------------|----------|
| | | | | | | | | | | | | | | | | | | Natural..... | Furnace..... | Steam jet..... | Fan..... |
| St. Clair..... | \$631,731 | 8,815 | 70 | 58 | 12 | 1 | 2 | 62 | 81,227 | 213 | 2 | 27 | \$0 47½ | 1,067,270 | \$0 81 | 49 | 21 | 857 | 5 | 5 | 5 |
| Perry..... | 131,400 | 2,635 | 14 | 14 | 12 | 3 | 1 | 8 | 1,326 | 200 | 1 | 5 | 61 | 265,869 | \$0 98 | 9 | 7 | 510 | 5 | 2 | 2 |
| Jackson..... | 1,383,000 | 4,540 | 3 | 3 | 3 | 7 | 1 | 2 | 835 | 231 | 1 | 9 | 71 | 284,770 | 1 30 | 7 | 4 | 5 | 9 | 4 | 4 |
| Hamilton..... | 92,600 | 1,530 | 2 | 2 | 2 | 2 | 1 | 6 | 323 | 183 | 1 | 7 | 64 | 46,535 | 82½ | 3 | 4 | 5 | 9 | 4 | 4 |
| Williamson..... | 60,600 | 1,083 | 2 | 2 | 2 | 2 | 1 | 3 | 100 | 205 | 1 | 7 | 55 | 127,615 | 87½ | 3 | 4 | 5 | 9 | 4 | 4 |
| Saline..... | 82,135 | 988 | 3 | 3 | 3 | 3 | 1 | 3 | 180 | 164 | 1 | 3 | 55 | 95,967 | 1 36 | 4 | 1 | 7 | 7 | 1 | 1 |
| Clinton..... | 67,500 | 400 | 3 | 3 | 3 | 3 | 1 | 3 | 154 | 40 | 1 | 3 | 75 | 61,809 | 1 19½ | 4 | 1 | 1 | 1 | 1 | 1 |
| Washington..... | 13,500 | 195 | 1 | 1 | 1 | 1 | 1 | 1 | 114 | 265 | 1 | 3 | 58 | 45,415 | 90½ | 1 | 1 | 1 | 1 | 1 | 1 |
| Gallatin..... | 25,150 | 4,080 | 1 | 1 | 1 | 1 | 1 | 1 | 73 | 270 | 1 | 3 | 75 | 30,400 | 1 15½ | 1 | 1 | 1 | 1 | 1 | 1 |
| Marion..... | 60,000 | 1,030 | 2 | 2 | 2 | 2 | 1 | 2 | 200 | 250 | 1 | 1 | 62½ | 109,000 | 1 00 | 1 | 1 | 1 | 1 | 1 | 1 |
| Totals..... | \$2,447,616 | 28,297 | 118 | 94 | 24 | 31 | 9 | 84 | 2,572 | 3,272 | 8 | 46 | \$0 59 | 2,128,280 | \$1 15½ | 79 | 41 | 16,941 | 10 | 10 | 10 |

* Average for 112 mines.

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THE MANUFACTURE OF DRAIN TILE IN ILLINOIS.

This Bureau having been called upon by the Illinois Tile-Makers' Association, at their last annual convention, for statistics of drain tile manufacture in Illinois, and recognizing the interest and importance which has attached of late years to this comparatively recent feature both of agriculture and manufactures in this State, an enquiry has been instituted with a view to procuring such information as was possible on this subject.

So far as it has been possible to ascertain there has been no compilation of a similar scope and character undertaken or made in this or other States,* beyond some broad estimates of a general character, which in the absence of authoritative figures have been accepted as facts. There are also comparatively few even of well stocked libraries which contain any assortment of valuable works on the subject either of the manufacture of drain tile, or the science of underground drainage, and the periodical literature devoted to these subjects is meagre in the extreme. There is accordingly little opportunity afforded either for comparisons or for the verification of the tables here compiled, with established data.

The following exhibit will, however, give a good approximate view of the progress of the industry of tile manufacture in this State since 1875, and its extent and character at the beginning of the present calendar year. The information on which these tables are based has been procured, first, from the various township assessors of the State, as to the number, name and address of each tile maker in their respective towns; and second, from the makers themselves as to the character and product of their respective factories. Compilations made upon data furnished by so great a number of persons must necessarily involve some elements of uncertainty, but as far as possible these have been reduced to the minimum by the elimination of obscure or doubtful returns. In regard, however, to the number of factories reported to us by the assessors, as in actual existence, the only question which can arise is as to whether the whole number has been given. The presumption is that some have been omitted, and that the whole number in the State is greater than that reported. Our revised directory embraces now 536 factories, although at the time of making the tables the whole number

*The Bureau of Statistics of Indiana, in a report just issued, gives a table of 387 tile factories in that State, employing \$759,562 capital, and 1,517 men. Value of product \$1,133,513.

known was 526, and the estimates for the State will be found to be based on that number. In general it is a fair presumption that the summaries arrived at by this investigation are rather too small than too large. In regard to the accuracy of the returns which have been made, it is believed that, inasmuch as the identity of the factories is obscured, and the motives for exaggeration are not more or greater than those for an underestimation, the statements made may be accepted as practically exact and reliable.

Upon an examination of the returns from township assessors it was found that there were in all (at that time) 526 tile factories, located in about four hundred towns and villages, and in seventy-five different counties of the State. These 526 tile makers were each addressed, and a certain line of information of a general character solicited, with a tender of blanks and postage with which to make returns. In response 380 manufacturers made specific statements to the Bureau as to their date of establishment, capital invested, the number and wages of their employes, their methods of manufacture and of drying, the amount and value of their product, the kinds and quantities of fuel consumed, and other minor items. The factories reported were of all kinds and sizes, from those of the most costly equipment to those of the most primitive construction and limited capacity; and it was assumed that those failing to report were equally of all classes, and that these 380 factories, constituting 62 per cent. of the whole, were a fair exponent of the whole, and should be so considered. Upon these returns, consequently, the following tables are based, and the summaries for the State are deduced. These in brief may be given as follows:

| | |
|---|----------------|
| Number of counties in which drain tile is manufactured..... | 75 |
| Number of factories..... | 536 |
| Amount of capital employed..... | \$3,794,000 00 |
| Number of employes..... | 5,496 |
| Amount paid in wages during the year..... | \$1,434,163 00 |
| Average number of months in operation..... | 7 |
| Whole number of tile made..... | 176,962 821 |
| Total cost of fuel..... | \$504,960 00 |
| Estimated home value of total product..... | \$3,960,958 00 |

A noticeable feature illustrated by these returns, and exhibited in detail by Table VI, is the recent rapid growth of this industry, and of the practice of tile-drainage which that growth implies. From an examination of the dates of establishment of the different factories it is found that only about 5 per cent. of the present number were in operation in 1875, and that in 1880 there was only 32 per cent. of the present number, then in existence; showing that the really great impetus in this direction has been developed within the three years last past.

The distribution of these factories throughout the State is also a consideration of interest, and somewhat indicative of the general character of the surface.

Neither the northern nor the southern extremities of the State have tile factories, the former being a naturally rolling country and the latter more generally covered with timber. On the other hand the great central portion of the State, especially east of the Illinois river, has in round numbers about four-fifths of all the tile factories of the State. This district embraces what is known as the corn and

wheat belt, and is distinguished for its uniform fertility. The greatest number of these factories is found in that group of counties lying on the eastern border of the State, in the neighborhood of Vermilion county. In six of these counties there are 116 tile factories. The greatest number in a single county is found in La Salle county, which has 27. Vermilion county has 26, Edgar 22, Iroquois, Champaign and Woodford 18 each, McLean 17, and Douglas and Coles 16 each, while almost every county throughout the great grain producing districts has from 1 to 15. That there is a demand for still others at many points, and also the natural facilities for establishing them, has been demonstrated by our correspondence on the subject, and such localities as are in need of the factories are indicated on a subsequent page.

The relative magnitude of the factories already in operation, as indicated by the amount of capital employed and the amount of annual product, is fully shown in the tables. From these it appears that 46 per cent. of the whole number of factories employ less than \$5,000 capital each, and that 54 per cent. employ more than that sum. Of the latter number 60 per cent. have from \$5,000 to \$10,000 each invested, 20 per cent. have from \$10,000 to \$15,000, 11 per cent. have from \$15,000 to \$25,000, and 8 per cent. have over \$25,000 each invested in the plant and business. Three of these larger establishments are equipped at a cost of \$40,000 each, three at a cost of \$50,000 each, one at a cost of \$70,000, and another at a cost of \$100,000.

Measured by the amount of their manufactured product, there are found 12 establishments in the State which produced from 1,000,000 to 4,000,000 drain tile of all sizes during the year ending January 1, 1884. Two firms in McLean county produced 5,000,000, two in Will county produced 4,810,510, one in Rock Island 3,500,000, one in Warren 2,278,400, while Champaign, Greene, Grundy, Logan, Macon, Stark and Warren counties each have single factories producing a million or more tile annually. At the head of the list stands the establishment of N. B. Heufer & Co., of Bloomington, with a reported annual product of 4,000,000. The next in order is the Argillo Works, of Carbon Cliff, Rock Island county, with a product of 3,500,000, and the third is the Monmouth Mining and Manufacturing Company, showing a product for last year of 2,278,400.

To illustrate what sizes of drain tile are principally in use and demand, a table has been prepared showing the number of each size made by 184 factories in 53 counties. This gives 16 sizes ranging from two to fourteen inches in diameter. By far the greater number are 3, 4, and 5 inch tile, and the percentages of each are as follows: Of the whole number made 29+ per cent. is 4 inch tile, 25+ per cent. is 3 inch, and 16+ per cent. is 5 inch tile, while the remaining 31— per cent. is divided irregularly among the larger sizes—very few smaller than 3 inch being made. Of the 6, 7, and 8 inch there are about 23 per cent. of the whole, while the 10 and 12 inch sewer pipe constitute about 6 per cent. of the whole.

We find also upon an examination of the character of these tile factories that 77 per cent. of them are using steam power for manufacturing, and steam for drying the product, the remainder being

the more primitive establishments operated by horse power and dependent upon open air drying. When, however, the relative product of these two classes of factories is considered, it is found that the steam factories produce 92 per cent. of all the tile made, so that it is practically a steam industry and is doubtless becoming more so in reality every year.

This fact leads to the consideration of the kind and quantity, and the cost of the fuel which this branch of manufacture requires. A subsequent table will show that the actual consumption of fuel during the past year by 268 steam factories was 119,406 tons of coal at an average cost of \$2.10 per ton, and 19,501 cords of wood at an average cost of \$2.46 per cord, or a total cost for these factories of \$299,873 for the fuel necessary to make 101,392,228 tile, or an average of \$2.96 per thousand. The average cost of fuel per thousand tile for the whole 330 factories of all kinds is \$2.88

The probable total cost of fuel,—the amount annually disbursed in the State by tile makers for the most part to coal men,—is somewhat over half a million dollars.

The statistics of employes and of wages will be found in Table II. Labor in this industry is for the most part unskilled, and these tile works are usually established and carried on in small towns in rural communities—where labor can be had at about farm-hand rates—and where the cost of living is at a minimum. We consequently find that for laborers the average wages paid is \$33 a month.

For burners, however, who must possess some special skill and experience, the average pay is \$47 a month, and the range is from \$32, the pay of a common laborer, to \$66 in the county averages, although there are instances in which individual burners in the larger establishments receive as high as \$75 and \$80, and in one factory a head-burner or foreman of kilns receives \$80 a month.

The wages of engineers vary of course with the character of the work and of the machinery with which they are entrusted. The ultimate average for the State is \$48 a month, though an examination of the tables will indicate that from \$50 to \$60 is the probable pay of skilled engineers. The wages of foremen, where such are employed, depend almost wholly upon their peculiar qualifications and the degree of their responsibility. The highest salary reported for this service is \$200 a month, while in small establishments where the proprietor is his own foreman the figures given are merely nominal, and serve only to reduce the general average, which is only \$53.

The whole number of men employed in tile making is found to be 5,435, and the aggregate amount disbursed annually in wages is \$1,434,163 for an average of seven months work. This average of the number of months in which these factories were in operation last year is, however, very much less than would appear in subsequent years, owing to the fact that 40 per cent. of the factories reported were started during the year for which they make returns, and many of them had barely commenced operations. These moreover, almost without exception, are the better class of factories, equipped with improved machinery and appliances, and designed to operate, if necessary, continuously throughout the year.

This presentation of the statistics of this youngest industry in the State is designedly confined to the manufacture rather than the use of drain tile. The advantages arising from the use of tile on lands of almost every kind are abundantly demonstrated and generally recognized; and it is of course the economic value of drainage in agriculture which has given rise and prosperity to the business of tile making. The manufacture itself has, however, attained an importance of its own as a new element in the industrial prosperity of the State, aside from its results upon the productiveness of the soil. This view of tile manufacture in Illinois is presented here, and the fact is brought to light that within a period virtually of about five years, over three millions of capital has found employment in this industry; that by it about 6,000 men directly and many more indirectly, have been given new work and wages; that it has stimulated both mining and transportation, and given a new impetus to the local trade of over four hundred of the towns and villages of the State in which its factories have been established. In view of the claim made by agriculturists that the judicious use of drain tile increases the productiveness of average Illinois land at least 25 per cent., and of the fact that such possibilities have only of late years become known, and of the further consideration that a vast proportion of the State is susceptible to this improvement by this method, it is not too much to expect such a continuous and increasing demand for drain tile as shall establish the permanence and prosperity of this industry, and very largely extend its field of operations.

TABLE I.

Table I affords a comprehensive summarized view of all the facts brought out by the returns made to this office aggregated by counties. The subsequent tables form a more specific analysis, the items in the first table being supplemented by information of a character which renders possible a fuller comparison than can be shown in a table which is simply a recapitulation.

This table contains a statement of the number of factories in each county from which returns have been received, the amount of capital invested, the number of employes, the average monthly wages paid to each class, the total amount paid during the year for labor, and the number of months in operation, the number of kilns, the kind of power used, the methods of manufacture and drying, the whole number of tile made and its value, together with the kind and amount of fuel used in the respective factories, its average value per ton or cord, and its total cost. It appears from this presentation that the 350 factories from which replies were received have an aggregate capital invested of \$2,381,751, that they employ 3,412 hands, that the total amount of wages paid during 1883 was \$882,960, that the total cost of fuel was \$316,921 and that the total product is 109,886,398 tile, the value of which was \$2,459,662.

TABLE I.—Showing Summaries

| COUNTIES. | Number of Facto- ries reported.... | Capital reported.. | Number of Em- ployes..... | AVERAGE MONTHLY WAGES OF— | | | | Total Wages Paid | Number of Months in Operation.... | Number of Kilns.. | KIND OF POWER USED. | |
|------------------|---------------------------------------|--------------------|------------------------------|------------------------------|------------|-------------|------------|------------------|--------------------------------------|-------------------|---------------------------|------------|
| | | | | Foremen.. | Engineers. | Burners.... | Laborers.. | | | | Horse..... | Steam..... |
| Brown..... | 2 | \$7,800 | 25 | \$30 | \$45 | \$46 | \$31 | \$4,980 | 5 | 4 | ..... | 2 |
| Bureau..... | 4 | 31,540 | 53 | 47 | 47 | 48 | 34 | 12,062 | 6 | 11 | ..... | 4 |
| Cass..... | 1 | 6,000 | 8 | 65 | 52 | 65 | 39 | 2,500 | 6 | 2 | ..... | 1 |
| Champaign..... | 16 | 15,000 | 153 | 72 | 47 | 50 | 31 | 35,260 | 7 | 53 | 2 | 14 |
| Christian..... | 4 | 15,800 | 23 | 39 | 41 | 52 | 34 | 3,010 | 4 | 6 | ..... | 3 |
| Clark..... | 2 | 4,900 | 13 | ..... | ..... | 52 | 25 | 950 | 6 | 2 | 1 | 1 |
| Clay..... | 1 | 1,000 | 3 | ..... | ..... | 52 | 26 | 500 | 3 | 1 | ..... | ..... |
| Coles..... | 13 | 89,000 | 106 | 53 | 42 | 41 | 30 | 18,599 | 7 | 29 | 4 | 9 |
| Cook..... | 1 | 5,000 | 7 | ..... | ..... | 40 | 40 | 1,820 | 1 | 1 | ..... | 1 |
| Crawford..... | 2 | 7,000 | 10 | 37 | ..... | ..... | 26 | 1,158 | 5 | 2 | ..... | 1 |
| Cumberland..... | 4 | 8,000 | 20 | 37 | 37 | 37 | 29 | 2,853 | 5 | 4 | 2 | 2 |
| DeKalb..... | 4 | 67,000 | 59 | 64 | 56 | 60 | 36 | 27,240 | 11 | 10 | ..... | 4 |
| DeWitt..... | 9 | 50,000 | 74 | 40 | 41 | 42 | 33 | 9,907 | 6 | 14 | 2 | 7 |
| Douglas..... | 12 | 47,950 | 79 | 48 | 42 | 54 | 31 | 18,527 | 6 | 17 | 1 | 11 |
| DuPage..... | 1 | 12,000 | 10 | ..... | 30 | 45 | 32 | 3,500 | 7 | 4 | ..... | 1 |
| Edgar..... | 15 | 50,100 | 88 | 39 | 35 | 36 | 31 | 11,369 | 6 | 18 | 3 | 12 |
| Edward..... | 2 | 7,000 | 13 | 40 | 34 | 31 | 23 | 2,181 | 5 | 3 | ..... | 2 |
| Effingham..... | 1 | 3,000 | 6 | ..... | 39 | 52 | 32 | ..... | ..... | 2 | ..... | 1 |
| Ford..... | 4 | 23,884 | 50 | 65 | 50 | 45 | 36 | 8,912 | 7 | 5 | ..... | 4 |
| Fulton..... | 10 | 73,184 | 95 | 47 | 36 | 47 | 32 | 16,745 | 7 | 17 | 3 | 7 |
| Gallatin..... | 2 | 13,200 | 10 | ..... | ..... | ..... | 28 | 10,150 | 3 | 2 | 2 | ..... |
| Greene..... | 5 | 39,734 | 73 | 55 | 42 | 50 | 33 | 16,308 | 6 | 10 | ..... | 5 |
| Grundy..... | 1 | 15,000 | 15 | 83 | 50 | 60 | 39 | 7,800 | 12 | 4 | ..... | 1 |
| Hancock..... | 4 | 21,000 | 27 | 50 | 40 | 50 | 29 | 6,742 | 4 | 5 | ..... | 3 |
| Henry..... | 8 | 57,000 | 70 | 53 | 40 | 50 | 37 | 14,981 | 6 | 16 | 1 | 7 |
| Iroquois..... | 11 | 50,000 | 97 | 54 | 36 | 42 | 34 | 19,680 | 6 | 19 | 3 | 8 |
| Jasper..... | 1 | 5,000 | 8 | ..... | 35 | ..... | 28 | 693 | 3 | 2 | ..... | 1 |
| Kane..... | 3 | 45,500 | 38 | 75 | 45 | 45 | 32 | 7,029 | 10 | 7 | ..... | 3 |
| Kankakee..... | 1 | 8,000 | 15 | 50 | 45 | 55 | 34 | 4,500 | 8 | 2 | ..... | 1 |
| Kendall..... | 3 | 26,500 | 36 | 50 | 47 | 66 | 37 | 6,970 | 7 | 7 | ..... | 3 |
| Knox..... | 5 | 50,500 | 63 | 78 | 51 | 38 | 33 | 14,442 | 9 | 9 | 1 | 4 |
| LaSalle..... | 14 | 174,583 | 243 | 68 | 48 | 50 | 34 | 66,510 | 8 | 43 | 1 | 13 |
| Lee..... | 3 | 13,000 | 26 | 51 | 39 | 61 | 36 | 6,335 | 6 | 5 | ..... | 3 |
| Livingston..... | 12 | 64,000 | 112 | 60 | 44 | 61 | 35 | 24,009 | 6 | 28 | 3 | 9 |
| Logan..... | 7 | 66,000 | 107 | 52 | 45 | 58 | 37 | 50,783 | 7 | 24 | ..... | 7 |
| McLean..... | 15 | 123,300 | 219 | 50 | 45 | 50 | 32 | 56,844 | 7 | 36 | 2 | 13 |
| Macou..... | 16 | 104,600 | 145 | 54 | 46 | 49 | 34 | 42,781 | 7 | 38 | ..... | 14 |
| Macoupin..... | 4 | 29,000 | 42 | 45 | 44 | 50 | 35 | 12,914 | 6 | 9 | 1 | 3 |
| Madi-on..... | 1 | 5,000 | 8 | 50 | 40 | 40 | 32 | 700 | 3 | 1 | ..... | 1 |
| Marion..... | 1 | 1,500 | 4 | ..... | ..... | ..... | ..... | ..... | 4 | 1 | 1 | ..... |
| Mercer..... | 5 | 18,500 | 38 | 44 | 44 | 39 | 33 | 9,935 | 6 | 9 | 2 | 3 |
| Montgomery..... | 1 | 20,000 | 22 | ..... | 50 | 40 | 3 | 8,000 | 12 | 5 | ..... | 1 |
| Morgan..... | 3 | 27,500 | 52 | 70 | 45 | 60 | 34 | 13,484 | 9 | 9 | ..... | 3 |
| Moultrie..... | 5 | 29,000 | 45 | 36 | 37 | 38 | 31 | 9,610 | 7 | 12 | ..... | 5 |
| Ogle..... | 3 | 45,000 | 35 | 62 | 46 | 65 | 38 | 8,376 | 5 | 7 | ..... | 3 |
| Peoria..... | 4 | 8,000 | 19 | 44 | 41 | 40 | 27 | 2,920 | 5 | 4 | 2 | 2 |
| Piatt..... | 4 | 26,000 | 45 | 75 | 51 | 45 | 35 | 13,572 | 8 | 10 | ..... | 4 |
| Pike..... | 1 | 9,000 | 25 | 60 | 60 | 60 | 39 | 5,200 | 12 | 3 | ..... | 1 |
| Putnam..... | 4 | 11,500 | 26 | 50 | 41 | 44 | 33 | 6,200 | 6 | 6 | 2 | 2 |
| Richland..... | 1 | 2,000 | 6 | 32 | 32 | 32 | 32 | 200 | 2 | 1 | ..... | 1 |
| Rock Island..... | 3 | 106,500 | 66 | 52 | 49 | 42 | 29 | 31,700 | 10 | 7 | 1 | 2 |
| St. Clair..... | 1 | 10,000 | 8 | ..... | 50 | 45 | 39 | 2,500 | 7 | 3 | ..... | 1 |
| Sangamon..... | 6 | 57,000 | 84 | 78 | 47 | 43 | 36 | 25,400 | 8 | 14 | ..... | 6 |
| Schuyler..... | 3 | 15,800 | 26 | ..... | 31 | 45 | 31 | 6,800 | 8 | 5 | ..... | 3 |
| Scott..... | 1 | 2,000 | 7 | ..... | ..... | 35 | 30 | 841 | 4 | 2 | 1 | ..... |

and Averages by Counties.

| METHOD OF MANUFACTURE | | METHOD OF DRYING. | | | | | Whole Number of Tile made 1883... | Value of Product. | FUEL USED. | | | | Total Cost of Fuel |
|-----------------------|-----------|-------------------|-----------|-------------|---------------------|-----------------------|-----------------------------------|-------------------|------------------|-----------------------|-------------------|------------------------|--------------------|
| Plunge.... | Augur.... | Natural.... | Steam.... | Furnace.... | Steam & Furnace.... | Natural & Furnace.... | | | Tons of Coal.... | Av. Value per Ton.... | Cords of Wood.... | Av. Value per Cord.... | |
| 2 | 1 | 1 | 1 | 1 | 1 | 1 | 400,000 | \$8,000 | 762 | \$2 50 | 15 | \$2 25 | \$1,939 |
| 4 | 2 | 1 | 1 | 1 | 1 | 1 | 1,100,000 | 25,500 | 1,950 | 1 95 | 75 | 3 00 | 4,026 |
| 1 | 1 | 1 | 1 | 1 | 1 | 1 | 744,000 | 2,500 | 250 | 2 00 | 2 | 2 00 | 500 |
| 4 | 12 | 4 | 7 | 5 | 5 | 5 | 4,531,877 | 118,710 | 7,519 | 2 35 | 670 | 2 19 | 19,026 |
| 1 | 3 | 2 | 1 | 1 | 1 | 1 | 415,000 | 9,088 | 178 | 2 18 | 560 | 2 46 | 1,768 |
| 1 | 1 | 1 | 1 | 1 | 1 | 1 | 140,000 | 4,600 | 80 | 1 60 | 109 | 1 05 | 248 |
| 1 | 1 | 1 | 1 | 1 | 1 | 1 | 6,000 | 300 | 30 | 3 00 | 30 | 2 00 | 60 |
| 6 | 7 | 7 | 1 | 1 | 2 | 2 | 3,366,829 | 102,128 | 1,889 | 2 24 | 2,282 | 2 11 | 9,061 |
| 1 | 1 | 1 | 1 | 1 | 1 | 1 | 208,000 | 3,500 | 260 | 3 40 | 2 | 2 00 | 894 |
| 2 | 2 | 2 | 2 | 2 | 2 | 2 | 408,700 | 11,091 | 213 | 2 13 | 213 | 1 00 | 213 |
| 2 | 2 | 2 | 2 | 2 | 2 | 2 | 547,500 | 11,235 | 340 | 2 02 | 513 | 1 77 | 1,598 |
| 3 | 4 | 1 | 1 | 2 | 2 | 2 | 2,750,000 | 65,900 | 3,537 | 3 57 | 90 | 4 25 | 13,016 |
| 3 | 6 | 7 | 2 | 1 | 2 | 2 | 2,162,836 | 48,273 | 1,360 | 2 30 | 1,598 | 2 20 | 6,891 |
| 1 | 11 | 7 | 2 | 1 | 2 | 2 | 2,508,600 | 54,985 | 2,078 | 2 41 | 1,276 | 2 64 | 8,364 |
| 1 | 1 | 1 | 1 | 1 | 1 | 1 | 600,000 | 16,500 | 500 | 3 65 | 500 | 2 00 | 1,825 |
| 5 | 10 | 13 | 2 | 2 | 2 | 2 | 1,649,150 | 51,899 | 964 | 2 02 | 1,744 | 1 91 | 9,296 |
| 2 | 2 | 2 | 2 | 2 | 2 | 2 | 207,784 | 3,704 | 120 | 1 00 | 267 | 1 60 | 547 |
| 3 | 1 | 3 | 1 | 1 | 1 | 1 | 125,000 | 3,000 | 15 | 3 00 | 100 | 2 00 | 245 |
| 5 | 5 | 7 | 3 | 3 | 3 | 3 | 847,504 | 18,880 | 1,104 | 2 62 | 2 | 2 00 | 2,835 |
| 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2,587,000 | 52,700 | 5,134 | 1 52 | 2 | 2 00 | 7,838 |
| 2 | 5 | 3 | 1 | 1 | 1 | 1 | 75,000 | 1,000 | 1,330 | 2 33 | 100 | 75 | 75 |
| 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2,130,000 | 151,691 | 1,750 | 2 25 | 515 | 2 88 | 4,584 |
| 2 | 2 | 2 | 2 | 2 | 2 | 2 | 1,200,000 | 25,000 | 636 | 2 50 | 54 | 3 45 | 3,937 |
| 1 | 1 | 1 | 1 | 1 | 1 | 1 | 365,000 | 6,925 | 2,415 | 2 03 | 130 | 2 42 | 1,785 |
| 7 | 4 | 11 | 2 | 2 | 2 | 2 | 1,762,353 | 36,449 | 1,658 | 2 52 | 1,335 | 2 14 | 5,217 |
| 1 | 3 | 1 | 2 | 1 | 1 | 1 | 1,997,410 | 42,550 | 170 | 2 25 | 188 | 3 50 | 7,047 |
| 3 | 3 | 3 | 3 | 3 | 3 | 3 | 175,000 | 3,500 | 340 | 3 50 | 188 | 3 50 | 382 |
| 3 | 3 | 3 | 3 | 3 | 3 | 3 | 1,604,000 | 12,800 | 425 | 2 75 | 80 | 3 87 | 3,472 |
| 3 | 3 | 3 | 3 | 3 | 3 | 3 | 375,000 | 15,000 | 1,120 | 2 71 | 80 | 3 87 | 1,169 |
| 2 | 3 | 1 | 1 | 1 | 1 | 1 | 773,530 | 15,500 | 1,670 | 1 52 | 268 | 2 43 | 3,316 |
| 3 | 11 | 6 | 3 | 1 | 2 | 1 | 890,127 | 19,180 | 13,048 | 1 94 | 105 | 4 34 | 2,522 |
| 5 | 7 | 7 | 2 | 2 | 2 | 2 | 12,500,000 | 184,250 | 3,040 | 3 04 | 105 | 4 34 | 26,240 |
| 7 | 7 | 7 | 2 | 2 | 2 | 2 | 263,500 | 8,258 | 4,162 | 2 36 | 625 | 2 52 | 1,612 |
| 6 | 9 | 11 | 3 | 1 | 1 | 1 | 3,600,101 | 81,205 | 6,999 | 2 04 | 290 | 2 82 | 11,410 |
| 2 | 14 | 11 | 5 | 1 | 1 | 1 | 3,508,005 | 93,579 | 10,880 | 2 36 | 573 | 2 95 | 12,155 |
| 1 | 3 | 1 | 2 | 1 | 1 | 1 | 8,617,000 | 139,407 | 6,645 | 1 99 | 1,082 | 2 47 | 27,194 |
| 1 | 1 | 1 | 1 | 1 | 1 | 1 | 4,867,018 | 117,813 | 425 | 1 36 | 440 | 2 69 | 15,903 |
| 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1,098,000 | 23,575 | 70 | 2 50 | 2 | 2 00 | 1,768 |
| 2 | 3 | 5 | 1 | 1 | 1 | 1 | 35,000 | 926 | 20 | 1 00 | 2 | 2 00 | 175 |
| 3 | 1 | 4 | 2 | 1 | 1 | 1 | 20,000 | 500 | 380 | 2 04 | 170 | 2 65 | 20 |
| 3 | 1 | 4 | 2 | 1 | 1 | 1 | 804,500 | 19,325 | 1,123 | 1 82 | 354 | 2 57 | 3,270 |
| 3 | 1 | 4 | 2 | 1 | 1 | 1 | 500,000 | 9,275 | 1,050 | 1 99 | 354 | 2 57 | 2,036 |
| 3 | 1 | 4 | 2 | 1 | 1 | 1 | 1,381,994 | 27,200 | 1,170 | 2 67 | 770 | 2 23 | 6,975 |
| 3 | 1 | 4 | 2 | 1 | 1 | 1 | 1,480,000 | 34,000 | 1,284 | 3 00 | 2 | 2 00 | 4,842 |
| 3 | 1 | 4 | 2 | 1 | 1 | 1 | 897,054 | 15,050 | 1,284 | 3 00 | 2 | 2 00 | 3,857 |
| 3 | 1 | 4 | 2 | 1 | 1 | 1 | 630,000 | 18,700 | 400 | 1 96 | 2 | 2 00 | 901 |
| 4 | 1 | 4 | 2 | 1 | 1 | 1 | 1,410,000 | 26,000 | 2,105 | 2 44 | 300 | 3 00 | 5,150 |
| 2 | 2 | 3 | 1 | 1 | 1 | 1 | 180,000 | 15,000 | 90 | 4 50 | 300 | 3 00 | 1,305 |
| 1 | 2 | 3 | 1 | 1 | 1 | 1 | 681,000 | 18,450 | 347 | 3 25 | 577 | 2 51 | 2,577 |
| 1 | 2 | 3 | 1 | 1 | 1 | 1 | 19,000 | 500 | 50 | 50 | 2 | 2 00 | 100 |
| 1 | 2 | 3 | 1 | 1 | 1 | 1 | 3,557,900 | 58,062 | 3,400 | 2 26 | 10 | 3 00 | 7,705 |
| 6 | 1 | 1 | 1 | 1 | 1 | 1 | 300,000 | 6,000 | 435 | 1 25 | 2 | 2 00 | 544 |
| 3 | 3 | 1 | 1 | 1 | 1 | 1 | 2,026,000 | 51,000 | 4,850 | 1 55 | 715 | 2 30 | 9,211 |
| 3 | 3 | 1 | 1 | 1 | 1 | 1 | 73,000 | 13,300 | 690 | 1 53 | 2 | 2 00 | 1,054 |
| 1 | 1 | 1 | 1 | 1 | 1 | 1 | 105,000 | 2,100 | 210 | 2 20 | 2 | 2 00 | 426 |

Table I.—

| COUNTIES. | Number of Facto- ries reported..... | Capital reported.. | Number of Em- ployes..... | AVERAGE MONTHLY WAGES OF— | | | | Total Wages Paid | Number of Months in Operation.... | Number of Kilns.. | KIND of POWER USED. | |
|-----------------|--|--------------------|------------------------------|------------------------------|------------|------------|-------------|------------------|--------------------------------------|-------------------|---------------------------|------------|
| | | | | Foremen... | Engineers. | Burners... | Laborers... | | | | Horse..... | Steam..... |
| Shelby | 5 | \$21,400 | 31 | \$40 | \$44 | \$39 | \$31 | \$5,122 | 5 | 8 | 2 | 3 |
| Stark | 2 | 15,000 | 29 | 50 | 45 | 62 | 37 | 6,048 | 6 | 4 | 2 | 1 |
| Tazewell | 10 | 52,100 | 100 | 51 | 40 | 41 | 39 | 22,122 | 6 | 21 | 2 | 1 |
| Vermilion | 15 | 63,300 | 105 | 40 | 39 | 42 | 28 | 21,993 | 8 | 24 | 4 | 11 |
| Wabash | 2 | 5,000 | 10 | 39 | 39 | 39 | 22 | 900 | 4 | 2 | 1 | 1 |
| Warren | 6 | 73,300 | 93 | 40 | 37 | 54 | 36 | 7,980 | 7 | 13 | 1 | 6 |
| Wayne | 1 | 700 | 5 | | | | | | | 1 | 1 | |
| White | 3 | 19,800 | 18 | 35 | | 35 | 30 | 1,500 | 6 | 4 | 1 | 1 |
| Will | 6 | 153,500 | 146 | 81 | 44 | 51 | 37 | 69,499 | 8 | 26 | 1 | 1 |
| Woodford | 10 | 79,200 | 116 | 60 | 40 | 42 | 33 | 50,344 | 8 | 28 | 3 | 1 |
| Totals | 330 | \$2,381,751 | 3,412 | \$53 | \$43 | \$47 | \$33 | \$382,960 | 7 | 676 | 62 | 28 |

Continued.

| METHOD OF MANUFACTRE | | METHOD OF DRYING. | | | | | Whole Number of Tile made 1883.... | Value of Product. | FUEL USED. | | | | Total Cost of Fuel | |
|-------------------------|------------|-------------------|------------|------------------------|------------|------------------------|---------------------------------------|-------------------|----------------------|-------------------------|------------------------|------------------------|--------------------|-----------|
| Plunge..... | Augur..... | Natural.... | Steam..... | Natural & Steam.... | Furnace... | Natural & Furnace.. | | | Tons of Coal..... | Av. Value per Ton... | Cords of Wood | Av. Value per Cord. | | |
| 2 | 5 | 5 | 1 | 1 | 1 | 1 | 711,000 | \$16,150 | 135 | \$2 24 | 950 | \$2 23 | \$2,428 | |
| 3 | 1 | 1 | 1 | 1 | 1 | 1 | 2,108,000 | 15,500 | 1,320 | 2 12 | 100 | 3 00 | 3 100 | |
| 8 | 7 | 9 | 4 | 1 | 1 | 1 | 3,073,752 | 62,255 | 1,912 | 2 34 | 2,033 | 2 51 | 9,223 | |
| 2 | ..... | 11 | ..... | ..... | ..... | ..... | 2,918,752 | 73,091 | 2,918 | 1 51 | 2,245 | 1 78 | 10,037 | |
| ..... | ..... | 12 | ..... | ..... | ..... | ..... | 110,000 | 2,100 | ..... | ..... | 160 | ..... | 285 | |
| ..... | 6 | 3 | 1 | ..... | 2 | ..... | 3,205,400 | 76,560 | 3,800 | 2 00 | 75 | 3 50 | 7,900 | |
| 1 | ..... | 1 | ..... | ..... | ..... | ..... | 25,000 | 400 | ..... | ..... | 15 | 2 00 | 30 | |
| 3 | ..... | 3 | ..... | ..... | ..... | ..... | 276,134 | 3,425 | 120 | 1 00 | 517 | 1 56 | 926 | |
| 1 | 5 | 1 | 2 | 2 | 1 | ..... | 5,560,964 | 169,293 | 4,209 | 2 05 | 22 | 4 10 | 8,627 | |
| 5 | 5 | 6 | 1 | ..... | 3 | ..... | 5,707,050 | 142,550 | 5,242 | 1 18 | 684 | 2 87 | 8,186 | |
| 103 | 227 | 202 | 67 | 12 | 36 | 3 | 9 | 109,836,393 | \$2,459,662 | 122,736 | \$2 16 | 25,281 | \$2 01 | \$316,921 |

TABLE II.

Table II relates entirely to the compensation of employes. It shows the number of factories making reports in each county, with the whole number of employes reported, the whole number of factories in each county and the total number of employes, the latter item being computed by ascertaining the average number of employes in the reporting factories in each county, and by multiplying the same by the whole number of factories known to be in operation in that county. It also shows the average monthly wages paid to each of the four classes of employes, viz: foremen, engineers, burners, and common laborers, the average number of months in operation for all the reporting factories in each county, the total amount of wages reported to have been paid, and a computation, based on the latter item, of the whole amount of wages estimated to have been paid by all the factories of each county and the State.

It appears from this table, assuming the estimates therein to be fairly made, that the whole number of workmen employed at the 526 factories known to have been in operation in 1883 was 5,435, and that the whole amount of wages paid reached the sum of \$1,434,163, being an average per factory of \$2,726. The largest number of persons employed at any one factory is 100, the smallest 3, and the average number per factory a fraction over 10.

In regard to the wages paid to employes, even of the same class, a great disparity exists. The monthly compensation of foremen varies from \$30 to \$90, that of engineers from \$31 to \$60, that of burners from \$31 to \$65, and the pay of ordinary laborers from \$18 to \$40. The average wages paid these four classes are, respectively, to foremen \$33 per month, to engineers \$43, to burners \$47, and to laborers \$33.

An examination of the figures shows that while 18 factories were running for periods of only two to four months in the year, others were operated as "winter factories," that is, their facilities for drying were such as to admit of their working the year round. Still the average number of months worked by all the factories was only 7.

TABLE II.

| COUNTIES. | | | | | AVERAGE MONTHLY WAGES PAID TO | | | | Average number of months in operation | Aggregate amount of wages reported paid | Total amt of wages paid, computed..... |
|------------------|------------------------------------|--------------------------------|------------------------------|---|----------------------------------|----------------|--------------|---------------|--|--|---|
| | | | | | Firemen..... | Engineers..... | Burners..... | Laborers..... | | | |
| | Number of factories reported | Number of employes reported | Whole number of factories | Whole number of em- ployes, computed | | | | | | | |
| Brown..... | 2 | 25 | 3 | 36 | \$30 | \$45 | \$46 | \$31 | 5 | \$4,980 | \$7,171 |
| Bureau..... | 4 | 55 | 4 | 55 | 47 | 47 | 48 | 38 | 6 | 12,062 | 12,062 |
| Cass..... | 1 | 8 | 4 | 32 | 65 | 52 | 65 | 39 | 6 | 2,501 | 10,000 |
| Champaign..... | 16 | 153 | 18 | 172 | 72 | 47 | 50 | 31 | 7 | 35,260 | 39,638 |
| Christian..... | 4 | 23 | 6 | 35 | 39 | 41 | 52 | 34 | 4 | 3,010 | 4,580 |
| Clark..... | 2 | 13 | 2 | 13 | | | | 52 | 25 | 952 | 950 |
| Clay..... | 1 | 3 | 1 | 13 | | | | 32 | 26 | 300 | 300 |
| Coles..... | 13 | 106 | 16 | 130 | 53 | 42 | 41 | 30 | 7 | 18,599 | 22,810 |
| Cook..... | 1 | 7 | 1 | 7 | | | | | 40 | 1,820 | 1,820 |
| Crawford..... | 2 | 10 | 2 | 10 | 37 | | | 26 | 5 | 1,158 | 1,158 |
| Cumberland..... | 4 | 20 | 5 | 25 | 37 | 37 | 37 | 29 | 5 | 2,853 | 3,565 |
| DeKalb..... | 4 | 59 | 4 | 59 | 64 | 56 | 60 | 39 | 11 | 27,240 | 27,240 |
| DeWitt..... | 9 | 91 | 15 | 123 | 40 | 41 | 42 | 33 | 6 | 9,907 | 16,453 |
| Douglas..... | 12 | 79 | 16 | 105 | 48 | 42 | 54 | 31 | 6 | 18,527 | 24,624 |
| DuPage..... | 1 | 10 | 2 | 20 | | 30 | 45 | 32 | 7 | 3,500 | 7,000 |
| Edgar..... | 15 | 88 | 22 | 129 | 39 | 35 | 35 | 31 | 6 | 11,369 | 16,665 |
| Edwards..... | 2 | 13 | 2 | 13 | 40 | 34 | 31 | 23 | 5 | 2,181 | 2,181 |
| Effingham..... | 1 | 6 | 1 | 6 | | 39 | 52 | 3 | | | |
| Ford..... | 4 | 50 | 5 | 62 | 65 | 50 | 45 | 36 | 7 | 8,912 | 11,050 |
| Fulton..... | 10 | 95 | 11 | 105 | 47 | 36 | 47 | 32 | 7 | 16,745 | 18,507 |
| Gallatin..... | 2 | 10 | 3 | 15 | | | | 18 | 3 | 10,150 | 15,225 |
| Greene..... | 5 | 73 | 8 | 117 | 55 | 42 | 50 | 33 | 6 | 16,398 | 26,281 |
| Grundy..... | 1 | 15 | 3 | 45 | 83 | 50 | 60 | 39 | 12 | 7,800 | 23,400 |
| Hancock..... | 4 | 27 | 6 | 41 | 50 | 40 | 50 | 29 | 4 | 6,742 | 10,217 |
| Henry..... | 8 | 70 | 10 | 88 | 53 | 40 | 50 | 37 | 6 | 14,981 | 18,833 |
| Iroquois..... | 11 | 97 | 18 | 159 | 54 | 36 | 42 | 34 | 6 | 19,680 | 32,258 |
| Jasper..... | 1 | 8 | 1 | 8 | | 35 | | 28 | 3 | 693 | 693 |
| Kane..... | 3 | 3 | 4 | 51 | 75 | 45 | 45 | 3 | 10 | 7,029 | 12,780 |
| Kankakee..... | 1 | 15 | 4 | 60 | 50 | 45 | 55 | 34 | 8 | 4,500 | 18,000 |
| Kendall..... | 3 | 36 | 5 | 60 | 50 | 47 | 66 | 37 | 7 | 6,970 | 11,616 |
| Knox..... | 5 | 63 | 8 | 101 | 58 | 51 | 38 | 33 | 9 | 14,442 | 23,153 |
| LaSalle..... | 14 | 243 | 27 | 409 | 68 | 48 | 50 | 31 | 8 | 66,540 | 128,424 |
| Lee..... | 3 | 26 | 5 | 43 | 51 | 39 | 61 | 40 | 6 | 6,335 | 10,510 |
| Livingston..... | 12 | 112 | 20 | 188 | 60 | 44 | 61 | 35 | 6 | 24,029 | 40,334 |
| Logan..... | 7 | 107 | 7 | 107 | 52 | 45 | 58 | 37 | 7 | 50,783 | 50,783 |
| McLean..... | 15 | 219 | 17 | 248 | 50 | 45 | 50 | 32 | 7 | 56,314 | 63,860 |
| Macon..... | 16 | 145 | 25 | 226 | 54 | 46 | 49 | 31 | 7 | 42,781 | 66,679 |
| Macoupin..... | 4 | 42 | 6 | 63 | 45 | 41 | 50 | 35 | 6 | 12,941 | 19,416 |
| Madison..... | 1 | 8 | 3 | 24 | 50 | 40 | 40 | 32 | 3 | 700 | 2,100 |
| Marion..... | 1 | 4 | 3 | 12 | | | | | 4 | | |
| Mercer..... | 5 | 38 | 7 | 53 | 44 | 44 | 39 | 33 | 6 | 9,935 | 13,857 |
| Montgomery..... | 1 | 22 | 2 | 44 | | 50 | 40 | 33 | 12 | 9,000 | 18,000 |
| Morgan..... | 3 | 52 | 4 | 69 | 70 | 45 | 60 | 31 | 9 | 13,481 | 17,192 |
| Moultrie..... | 5 | 45 | 8 | 72 | 36 | 37 | 38 | 31 | 7 | 9,610 | 15,376 |
| Ogle..... | 3 | 35 | 4 | 47 | 62 | 46 | 65 | 36 | 5 | 8,376 | 11,248 |
| Peoria..... | 4 | 19 | 11 | 53 | 44 | 44 | 40 | 27 | 5 | 2,920 | 8,145 |
| Piatt..... | 4 | 45 | 9 | 101 | 75 | 51 | 45 | 35 | 8 | 13,552 | 30,417 |
| Pike..... | 1 | 25 | 3 | 75 | 60 | 60 | 60 | 39 | 12 | 5,200 | 15,600 |
| Putnam..... | 4 | 26 | 5 | 32 | 50 | 41 | 44 | 33 | 6 | 6,200 | 7,628 |
| Richland..... | 1 | 6 | 1 | 6 | 32 | 32 | 32 | 32 | 2 | 200 | 200 |
| Rock Island..... | 3 | 66 | 4 | 98 | 52 | 49 | 42 | 29 | 10 | 31,700 | 42,266 |
| St. Clair..... | 1 | 8 | 1 | 8 | | 50 | 45 | 30 | 7 | 2,500 | 2,500 |
| Sangamon..... | 6 | 84 | 12 | 168 | 78 | 47 | 48 | 3 | 8 | 25,400 | 50,800 |
| Schuyler..... | 3 | 26 | 5 | 43 | | 31 | 45 | 31 | 8 | 6,800 | 11,247 |
| Scott..... | 1 | 7 | 3 | 21 | | | 35 | 30 | 4 | 841 | 2,522 |
| Shelby..... | 5 | 31 | 12 | 74 | 40 | 44 | 39 | 31 | 5 | 5,122 | 12,227 |
| Stark..... | 2 | 29 | 6 | 87 | 50 | 45 | 62 | 37 | 6 | 6,048 | 18,144 |

Table II—Continued.

| COUNTIES. | Number of factories reported. | Number of employees reported. | Whole number of factories. | Whole number of employees, computed. | AVERAGE MONTHLY WAGES PAID TO | | | | Average number of months in operation. | Aggregate amount of wages reported paid. | Total amt. of wages paid, computed.... |
|---------------------|-------------------------------|-------------------------------|----------------------------|--------------------------------------|-------------------------------|---------------|--------------|---------------|--|--|--|
| | | | | | Firemen..... | Engineers.... | Burners..... | Laborers..... | | | |
| Tazewell..... | 10 | 100 | 13 | 130 | \$51 | \$40 | \$41 | \$50 | 6 | \$22,122 | \$28,735 |
| Vermilion..... | 15 | 105 | 26 | 182 | 40 | 39 | 42 | 28 | 8 | 21,993 | 38,121 |
| Wabash..... | 2 | 10 | 2 | 10 | 39 | 39 | 39 | 22 | 4 | 900 | 900 |
| Warren..... | 6 | 93 | 8 | 124 | 40 | 37 | 54 | 36 | 7 | 7,980 | 10,640 |
| Wayne..... | 1 | 5 | 1 | 5 | — | — | — | — | — | — | — |
| White..... | 3 | 18 | 3 | 18 | 35 | — | 35 | 30 | 6 | 1,500 | 1,500 |
| Will..... | 6 | 146 | 10 | 243 | 81 | 44 | 51 | 37 | 8 | 69,499 | 115,673 |
| Woodford..... | 10 | 116 | 18 | 209 | 60 | 40 | 42 | 33 | 8 | 59,344 | 59,795 |
| Totals..... | 330 | 3412 | 501 | 5237 | \$2,740 | \$2,411 | \$2,793 | \$2,048 | 411 | \$882,960 | \$1,366,063 |
| Other Counties..... | — | — | 25 | 258 | — | — | — | — | — | — | 67,500 |
| Totals..... | 330 | 3412 | 526 | 5495 | — | — | — | — | — | \$882,960 | \$1,433,563 |
| Averages..... | 10.3 | — | 10.4 | — | \$53* | \$43* | \$47* | \$33* | 7 | \$2,700† | \$2,729 |

*Average per county.

†Average per factory.

TABLE III.

Table III has reference specially to the character of the various establishments and the methods made use of both in making and drying.

It shows the number of kilns in use in 330 factories, the kind of power used in each, whether steam or horse power, the process of drying employed, whether by natural or artificial heat, or by a combination of both, the description of machines used, whether plunge or augur, and the total product for the year of the steam and horse power factories respectively. The whole number of kilns for 330 factories is 676, an average of a little more than two to each factory. This would indicate at least 1,100 kilns in the State. Horse power is used in but 61, or less than one-fifth of the whole number of factories reporting in 1883.

Many of these announce that during the present year steam power either has been or will be substituted. If we compare the product of the steam and horse power factories we shall find a still lower ratio. The number of tile made by the steam factories was 101,892,228, by the horse power factories 8,444,165, the latter being only 7.7 per cent. (or one-fourteenth) of the entire product. The method of drying by natural heat only is employed in 202 factories, steam heat only is used in 67 factories, and furnace heat only, in 12. In 36 both natural and steam heat is employed, in 3, steam and furnace heat, and in 9, natural and furnace heat. In by far the greater number of factories operated during the summer months only, natural heat is the only drying agency employed.

TABLE III.

| COUNTIES. | Number of factories reported. | Number of kilns. | POWER USED. | DRYING PROCESS. | | | | | | HOW MADE. | PRODUCT OF | | | |
|-------------|-------------------------------|------------------|-------------|-----------------|--------|----------|--------|----------|------------------|------------------|--------------------|---------|------------|------------------------|
| | | | | Horse. | Steam. | Natural. | Steam. | Furnace. | Natural & Steam. | Steam & Furnace. | Natural & Furnace. | Plunge. | Augur. | Steam Power Factories. |
| Brown | 2 | 4 | | | 2 | 1 | | | 1 | | | 2 | 400,000 | |
| Bureau | 4 | 11 | | | 2 | 1 | 1 | | | | | 4 | 1,100,000 | |
| Chas. | 1 | 2 | | | 1 | | | | | | | 1 | 744,000 | |
| Champaign | 16 | 33 | 2 | 14 | 4 | 7 | | | 5 | | | 12 | 4,130,877 | 401,000 |
| Christian | 4 | 6 | 1 | 3 | 2 | 1 | | | 1 | | | 3 | 240,000 | 175,000 |
| Clark | 2 | 2 | 1 | 1 | 1 | | | 1 | | | 1 | 1 | 100,000 | 40,000 |
| Clay | 1 | 1 | 1 | | 1 | | | | | | 1 | | 16,000 | |
| Colas | 13 | 29 | 4 | 9 | 7 | 1 | | | 1 | 2 | 2 | 6 | 2,976,709 | 390,120 |
| Cook | 1 | 1 | | 1 | 1 | | | | | | | 1 | 208,000 | |
| Crawford | 2 | 2 | | 2 | 2 | | | | | | 2 | | 408,700 | |
| Cumberland | 4 | 4 | 2 | 2 | 4 | | | | | | 2 | 2 | 385,000 | 162,500 |
| DeKalb | 4 | 10 | | 4 | 1 | 1 | | | 2 | | | 4 | 2,750,000 | |
| DeWitt | 9 | 14 | 2 | 7 | 7 | | 2 | | | | 3 | 6 | 1,928,836 | 234,000 |
| Douglas | 12 | 17 | 1 | 11 | 7 | 2 | 1 | | 2 | | 1 | 11 | 2,391,600 | 117,000 |
| DuPage | 1 | 4 | | 1 | | 1 | | | | | | | 600,000 | |
| Edgar | 15 | 18 | 3 | 12 | 13 | 2 | | | | | 5 | 10 | 1,422,150 | 227,000 |
| Edwards | 2 | 3 | | 3 | 2 | | | | | | 2 | | 207,784 | |
| Effingham | 1 | 2 | | 1 | 1 | | | | | | | 1 | 125,000 | |
| Ford | 4 | 5 | | 4 | 3 | 1 | | | | | 3 | 1 | 837,508 | |
| Fulton | 10 | 17 | 3 | 7 | 7 | 3 | | | | | 5 | 5 | 2,090,000 | 497,000 |
| Gallatin | 2 | 2 | 2 | | 2 | | | | | | 2 | | | 75,000 |
| Greene | 5 | 10 | | 5 | 3 | 1 | 1 | | | | | 5 | 2,163,000 | |
| Grundy | 1 | 4 | | 1 | 1 | | | | | | | 1 | 1,200,000 | |
| Hancock | 4 | 5 | 1 | 3 | 3 | 1 | | | | | 2 | 1 | 335,000 | 30,000 |
| Henry | 8 | 16 | 1 | 7 | 7 | | | | 1 | | | 7 | 1,682,358 | 80,000 |
| Iroquois | 11 | 19 | 3 | 8 | 11 | | | | | | 7 | 4 | 1,774,060 | 223,350 |
| Ja-per. | 1 | 2 | | 1 | 1 | | | | | | 1 | | 175,000 | |
| Kane | 3 | 7 | | 3 | 2 | | | | 1 | | | 3 | 1,694,000 | |
| Kankakee | 1 | 2 | | 1 | | | | | 1 | | | 1 | 375,000 | |
| Kendall | 3 | 7 | | 3 | 1 | | | | 1 | | | 3 | 773,530 | |
| Knox | 5 | 9 | 1 | 4 | 1 | | 1 | | | 3 | 2 | 3 | 640,127 | 250,000 |
| LaSalle | 14 | 43 | 11 | 13 | 6 | 3 | 1 | 2 | 1 | 1 | 3 | 11 | 11,759,000 | 800,000 |
| Lee | 3 | 5 | | 3 | 3 | | | | | | | 3 | 263,500 | |
| Livingston | 12 | 23 | 3 | 9 | 7 | 2 | | 2 | | 1 | 5 | 7 | 3,108,620 | 562,541 |
| Logan | 7 | 24 | | 7 | 4 | 3 | | | | | | 7 | 3,528,005 | |
| McLean | 15 | 36 | 2 | 13 | 11 | 3 | | 1 | | | 6 | 9 | 8,479,000 | 138,000 |
| Macon | 16 | 38 | 2 | 14 | 11 | 5 | | | | | 2 | 14 | 4,757,018 | 110,000 |
| Macoupin | 4 | 9 | 1 | 3 | 1 | 2 | | 1 | | | 1 | 3 | 1,078,000 | 20,000 |
| Madison | 1 | 1 | | 1 | | | 1 | | | | | 1 | 35,000 | |
| Marion | 1 | 1 | 1 | | 1 | | | | | | 1 | | | 20,000 |
| Mercer | 5 | 9 | 2 | 3 | 5 | | | | | | 2 | 3 | 710,500 | 94,000 |
| Montgomery | 1 | 5 | | 1 | | 1 | | | | | | 1 | 500,000 | |
| Morgan | 3 | 9 | | 3 | | 2 | | | | 1 | | 3 | 1,384,994 | |
| Moultrie | 5 | 12 | | 5 | 3 | | | 2 | | | | 5 | 1,480,000 | |
| Ogle | 3 | 7 | | 3 | 2 | | 1 | | | | | 3 | 897,054 | |
| Peoria | 4 | 4 | 2 | 2 | 4 | | | | | | 3 | 1 | 250,000 | 380,000 |
| Piatt | 4 | 10 | | 4 | | 2 | 1 | 1 | | | | 4 | 1,410,000 | |
| Pike | 1 | 3 | | 1 | 1 | | | | | | | 1 | 180,000 | |
| Putnam | 4 | 6 | 2 | 2 | 3 | | | 1 | | | 2 | 2 | 313,000 | 368,000 |
| Richland | 1 | 1 | | 1 | 1 | | | | | | | 1 | 19,000 | |
| Rock Island | 3 | 7 | 1 | 2 | 1 | 1 | 1 | | | | 1 | 2 | 3,509,900 | 48,000 |
| St. Clair | 1 | 3 | | 1 | 1 | | | | | | | 1 | 300,000 | |
| Sangamon | 6 | 14 | | 6 | 3 | 1 | 1 | 1 | | | | 6 | 2,025,000 | |
| Schuyler | 3 | 5 | | 3 | 2 | 1 | | | | | | 3 | 730,000 | |
| Scott | 1 | 2 | 1 | | 1 | | | | | | 1 | | | 105,000 |

* One of these also uses a plunge machine.

† This factory is operated by water power, but for convenience has been classed among the horse power factories.

Table III.—Continued.

| COUNTIES. | Number of factories reported..... | Number of kilns..... | POWER USED. | | DRYING PROCESS. | | | | | HOW MADE. | | PRODUCT OF | |
|----------------|-----------------------------------|----------------------|-------------|------------|-----------------|------------|--------------|----------------------|------------------------|-------------|------------|-------------------------|-------------------------|
| | | | Horse..... | Steam..... | Natural..... | Steam..... | Furnace..... | Natural & Steam..... | Natural & Furnace..... | Plunge..... | Augur..... | Steam Power Factories.. | Horse Power Factories.. |
| Shelby..... | 5 | 8 | 2 | 3 | 5 | — | — | — | — | 2 | 3 | 536,000 | 175,000 |
| Stark..... | 2 | 4 | — | 2 | 1 | — | — | 1 | — | — | 2 | 1,450,000 | 654,000 |
| Tazewell..... | 10 | 21 | 3 | 7 | 9 | — | — | — | — | 3 | 7 | 2,328,000 | 745,332 |
| Vermilion..... | 15 | 24 | 4 | 11 | 11 | 4 | — | — | — | 8 | 7 | 2,173,000 | 745,332 |
| Wabash..... | 2 | 2 | 1 | 1 | 2 | — | — | — | — | 2 | — | 60,000 | 50,000 |
| Warren..... | 6 | 13 | — | 6 | 3 | 1 | — | 2 | — | — | 6 | 3,145,400 | 60,000 |
| Wayne..... | 1 | 1 | 1 | — | 1 | — | — | — | — | 1 | — | — | 25,000 |
| White..... | 3 | 4 | 1 | 2 | 3 | — | — | — | — | 3 | — | 263,331 | 12,000 |
| Will..... | 6 | 26 | 1 | 5 | 1 | 2 | 2 | 1 | — | — | 5 | 5,556,664 | 4,300 |
| Woodford..... | 10 | 28 | 3 | 7 | 6 | 1 | — | 3 | — | 5 | 5 | 5,303,000 | 401,000 |
| Totals..... | 330 | 676 | 762 | 268 | 1203 | 67 | 12 | 36 | 3 | 9 | 103 | 101,392,228 | 8,444,116 |

* One of these also uses a plunge machine.

† Including one factory operated by water power.

‡ Only 329 factories specified the method of drying, that in Effingham county failing to give any information on this point.

TABLE IV.

Table IV contains the record of the amount and cost of fuel used in 268 steam factories and the amount of tile manufactured by the same. From the figures given it appears that in the manufacture of 101,872,228 tile, there were used 119,406 tons of coal, at an aggregate cost of \$251,349, and 19,501 cords of wood at an aggregate cost of \$48,024, making the total value of the fuel used \$299,373, which is an average cost of \$2.96 per thousand tile. It is proper to observe here that there may be a slight over-statement involved in this summary, arising from the fact that many tile makers also manufacture brick, and it is possible that some of these may have reported the gross amount of fuel used in the manufacture of both. It is believed, however, that any inaccuracy arising from this source is trifling. It should also be noticed that the amount and cost of fuel as given in this table differ materially from the figures given in Table I, which table includes both steam and horse-power factories, while only the former of the two classes is considered here. The variance in the cost of coal per ton and wood per cord, may be accounted for by the consideration that the horse-power factories use relatively a larger amount of wood and a smaller amount of coal than factories operated by steam. It follows that in a statement of the amount and cost of fuel used by both classes we should naturally find a higher price paid per ton for coal and a lower price per cord for wood than in a table confined to steam factories alone.

A marked difference exists between the cost of fuel per thousand tile at different factories. The highest average shown on the table for any county is \$7.25, the lowest 52 cents. Much of this variation is due to the great difference in the cost of fuel in different localities, and is accounted for further by the fact that in some instances coal mines and tile factories are operated in conjunction, in which cases the fuel is charged at the mere cost of production;

and at other points slack only is used, which costs very little. The fact also that some makers burn more of the large size tile than others, should enter into the consideration.

TABLE IV.

| COUNTIES. | No. of steam factories reported | No. of tile made... | No. of tons of coal used | Average cost per ton..... | Total value of coal | No. of cords of wood used | Average cost per cord..... | Total value of wood | Total cost of fuel. | Cost of fuel per 1,000 tile |
|------------------|--------------------------------------|---------------------|--------------------------------|---------------------------|---------------------|---------------------------------|----------------------------|---------------------------|---------------------|-----------------------------------|
| Brown..... | 2 | 400,000 | 762 | \$2 50 | \$1,905 | 15 | \$2 25 | \$34 | \$1,939 | \$4 86 |
| Bureau..... | 4 | 1,100,000 | 1,950 | 1 95 | 3,840 | 75 | 3 00 | 225 | 4,065 | 3 66 |
| Cass..... | 1 | 744,000 | 250 | 2 00 | 500 | | | | 500 | 67 |
| Champaign..... | 14 | 4,130,877 | 7,204 | 2 35 | 16,930 | 520 | 2 31 | 1,315 | 18,245 | 4 41 |
| Christian..... | 3 | 240,000 | 178 | 2 18 | 388 | 400 | 2 25 | 900 | 1,288 | 5 12 |
| Clark..... | 1 | 100,000 | 80 | 1 60 | 128 | 60 | 1 50 | 90 | 218 | 2 18 |
| Coles..... | 9 | 2,976,709 | 1,889 | 2 24 | 4,235 | 1,790 | 2 13 | 3,815 | 8,050 | 2 70 |
| Cook..... | 1 | 208,000 | 260 | 3 40 | 884 | | | | 884 | 4 25 |
| Crawford..... | 2 | 408,700 | | | | 213 | 1 00 | 213 | 213 | 52 |
| Cumberland..... | 2 | 385,000 | 340 | 2 02 | 688 | 300 | 2 00 | 600 | 1,288 | 3 35 |
| DeKalb..... | 4 | 2,750,000 | 3,537 | 3 57 | 12,633 | 90 | 4 25 | 383 | 13,016 | 4 73 |
| DeWitt..... | 7 | 1,928,836 | 1,217 | 2 44 | 2,969 | 1,478 | 2 70 | 3,291 | 6,263 | 3 25 |
| Douglas..... | 11 | 2,391,600 | 2,078 | 2 41 | 5,014 | 1,125 | 2 58 | 3,330 | 8,344 | 3 31 |
| DuPage..... | 1 | 600,000 | 500 | 3 65 | 1,825 | | | | 1,825 | 3 04 |
| Edgar..... | 12 | 1,422,150 | 964 | 2 02 | 1,952 | 1,434 | 1 86 | 2,669 | 4,621 | 3 25 |
| Edwarda..... | 2 | 207,784 | 120 | 1 00 | 120 | 267 | 1 60 | 427 | 547 | 2 63 |
| Effingham..... | 1 | 125,000 | 15 | 5 00 | 45 | 100 | 2 00 | 200 | 245 | 1 96 |
| Ford..... | 14 | 837,503 | 1,100 | 2 62 | 2,885 | | | | 2,885 | 3 44 |
| Fulton..... | 7 | 2,090,000 | 4,797 | 1 52 | 7,353 | | | | 7,353 | 3 52 |
| Greene..... | 5 | 2,165,000 | 1,330 | 2 33 | 3,098 | 515 | 2 88 | 1,486 | 4,584 | 2 12 |
| Grundy..... | 1 | 1,200,000 | 1,750 | 2 25 | 3,937 | | | | 3,937 | 3 28 |
| Hancock..... | 3 | 335,000 | 500 | 2 50 | 1,250 | 25 | 3 50 | 88 | 1,338 | 3 99 |
| Henry..... | 7 | 1,682,358 | 2,370 | 2 04 | 4,841 | 80 | 3 00 | 240 | 5,070 | 3 06 |
| Iroquois..... | 8 | 1,774,060 | 1,658 | 2 52 | 4,189 | 725 | 2 88 | 2,088 | 6,277 | 3 54 |
| Jasper..... | 1 | 175,000 | 170 | 2 25 | 382 | | | | 382 | 2 18 |
| Kane..... | 3 | 1,694,000 | 847 | 3 50 | 2,825 | 185 | 3 50 | 647 | 3,472 | 2 01 |
| Kankakee..... | 1 | 375,000 | 425 | 2 75 | 1,169 | | | | 1,169 | 3 12 |
| Kendall..... | 3 | 773,530 | 1,120 | 2 71 | 3,036 | 80 | 3 87 | 310 | 3,346 | 4 33 |
| Knox..... | 4 | 640,127 | 1,200 | 1 60 | 2,022 | | | | 2,022 | 3 15 |
| LaSalle..... | 13 | 11,759,000 | 12,608 | 1 97 | 24,820 | 268 | 2 43 | 652 | 25,472 | 2 09 |
| Lee..... | 3 | 203,500 | 380 | 3 04 | 1,156 | 105 | 4 34 | 456 | 1,612 | 6 08 |
| Livingston..... | 9 | 3,108,620 | 3,754 | 2 35 | 8,813 | 605 | 2 52 | 1,575 | 10,388 | 3 34 |
| Logan..... | 7 | 3,528,005 | 6,999 | 1 62 | 11,338 | 290 | 2 82 | 817 | 12,155 | 3 37 |
| McLean..... | 13 | 8,479,000 | 10,799 | 2 37 | 25,515 | 570 | 2 95 | 1,582 | 27,097 | 3 20 |
| Macon..... | 14 | 4,757,018 | 6,645 | 1 99 | 13,223 | 809 | 2 47 | 2,172 | 15,395 | 3 24 |
| Macoupin..... | 3 | 1,078,000 | 425 | 1 36 | 578 | 415 | 2 67 | 1,110 | 1,688 | 1 57 |
| Madison..... | 1 | 35,000 | 70 | 2 50 | 175 | | | | 175 | 5 00 |
| Mercer..... | 3 | 710,500 | 1,340 | 2 04 | 2,820 | 105 | 2 75 | 289 | 3,109 | 4 38 |
| Montgomery..... | 1 | 500,000 | 1,123 | 1 82 | 2,036 | | | | 2,036 | 4 07 |
| Morgan..... | 3 | 1,354,994 | 3,050 | 1 99 | 6,075 | 350 | 2 57 | 900 | 6,975 | 5 04 |
| Moultrie..... | 5 | 1,480,000 | 1,170 | 2 67 | 3,125 | 770 | 2 23 | 1,717 | 4,842 | 3 35 |
| Ogle..... | 3 | 897,054 | 1,244 | 3 00 | 3,857 | | | | 3,857 | 4 29 |
| Peoria..... | 2 | 250,000 | 260 | 1 94 | 480 | | | | 480 | 1 92 |
| Platt..... | 4 | 1,410,000 | 2,104 | 2 44 | 5,150 | | | | 5,150 | 3 65 |
| Pike..... | 1 | 180,000 | 90 | 4 50 | 405 | 300 | 3 00 | 900 | 1,305 | 7 25 |
| Putnam..... | 2 | 313,000 | 215 | 3 75 | 806 | 300 | 2 50 | 750 | 1,556 | 4 97 |
| Richland..... | 1 | 19,000 | | | | 50 | 2 00 | 100 | 100 | 5 26 |
| Rock Island..... | 2 | 3,509,900 | 3,400 | 2 26 | 7,675 | | | | 7,675 | 2 18 |
| St. Clair..... | 1 | 300,000 | 435 | 1 25 | 544 | | | | 544 | 1 81 |
| Sangamon..... | 6 | 2,025,000 | 4,850 | 1 55 | 7,560 | 715 | 2 30 | 1,651 | 9,211 | 4 54 |

* One of these having been in operation only since Dec. 24, 1883, has not been included in the computation.

† One of these made no tile in 1883.

Table IV.—Continued.

| COUNTIES. | No. of steam factories reported.... | No. of tile made.... | No. of tons of coal used..... | Average cost per ton..... | Total value of coal | No. of cords of wood used..... | Average cost per cord..... | Total value of wood..... | Total cost of fuel.. | Cost of fuel per 1,000 tile..... |
|----------------|-------------------------------------|----------------------|-------------------------------|---------------------------|---------------------|--------------------------------|----------------------------|--------------------------|----------------------|----------------------------------|
| Schuyler | 3 | 730,000 | 690 | \$1 53 | \$1,054 | ..... | ..... | ..... | \$1,054 | \$1 44 |
| Shelby..... | 3 | 536,000 | 135 | 2 21 | 903 | 700 | \$2 36 | \$1,650 | 1,953 | 3 64 |
| Stark..... | 7 | 1,450,000 | 1,320 | 2 12 | 2,800 | 100 | 3 00 | 300 | 3,100 | 2 13 |
| Tazewell..... | 4 | 2,328,000 | 1,912 | 2 34 | 4,487 | 1,168 | 2 51 | 2,935 | 7,422 | 3 19 |
| Vermilion..... | 11 | 2,173,000 | 2,918 | 1 51 | 4,402 | 1,145 | 2 77 | 3,175 | 7,577 | 3 49 |
| Wabash | 1 | 60,000 | ..... | ..... | ..... | 90 | 2 00 | 180 | 180 | 3 38 |
| Warren | 6 | 3,145,400 | 3,800 | 2 01 | 7,638 | 75 | 3 50 | 262 | 7,900 | 2 38 |
| White | 2 | 263,334 | 120 | 1 00 | 120 | 317 | 1 60 | 506 | 626 | 2 33 |
| Will | 2 | 5,556,664 | 4,149 | 2 05 | 8,507 | ..... | ..... | ..... | 8,507 | 1 23 |
| Woodford | 7 | 5,303,000 | 4,709 | 1 04 | 4,890 | 686 | 2 87 | 1,971 | 6,861 | 1 13 |
| Totals..... | 268 | 101,392,228 | 119,406 | \$2 10 | \$251,349 | 19,501 | \$2 46 | \$48,024 | \$299,373 | \$2 56 |

TABLE V.

Table V is a compilation of the returns from 184 factories, designed to show which are the sizes principally in use and demand, and the percentage of each sizes made to the whole. The totals are given by sizes and grouped by counties, and the relative quantities of the several sizes are shown by percentages. The results may be summarized as follows, the sizes being arranged in the order of the number manufactured:

| Size. | Number. | Percentage of the whole. |
|------------------|------------|--------------------------|
| 4 inch tile..... | 15,849,431 | 29.313 per cent. |
| 3 " "..... | 13,269,055 | 24.514 " " |
| 5 " "..... | 8,810,003 | 16.356 " " |
| 6 " "..... | 6,390,552 | 11.820 " " |
| 8 " "..... | 3,265,936 | 6.041 " " |
| 7 " "..... | 2,867,694 | 5.341 " " |
| 3½ " "..... | 1,755,108 | 3.246 " " |
| 2½ " "..... | 1,163,266 | 2.151 " " |
| 10 " "..... | 310,115 | .573 " " |
| 2 " "..... | 148,550 | .272 " " |
| 9 " "..... | 114,846 | .212 " " |
| 12 " "..... | 54,286 | .101 " " |
| 11 " "..... | 15,000 | .027 " " |
| 14 " "..... | 4,458 | .008 " " |
| 13 " "..... | 1,446 | .002 " " |
| Totals | 54,069,706 | 100 per cent. |

A the firms reporting did not give specific analysis of their product as to sizes manufactured, but a sufficient number did, from sufficiently separated localities, to illustrate this point very fully.

TABLE V.
Statement of the Relative Sizes of Drain tile Manufactured in Illinois, 1884.

| Country. | Number of factories. | Size 2 inch. | Size 2½ inch. | Size 3 inch. | Size 3½ inch. | Size 4 inch. | Size 5 inch. | Size 6 inch. | Size 7 inch. | Size 8 inch. | Size 9 inch. | Size 10 inch. | Size 11 inch. | Size 12 inch. | Size 13 inch. | Size 14 inch. |
|------------|----------------------|--------------|---------------|--------------|---------------|--------------|--------------|--------------|--------------|--------------|--------------|---------------|---------------|---------------|---------------|---------------|
| Bureau | 3 | 10,000 | 25,000 | 320,000 | 320,000 | 154,000 | 110,000 | 60,000 | 30,000 | 35,000 | 10,000 | | | | | |
| Cass | 1 | | 38,000 | 91,000 | 93,000 | 93,000 | 93,000 | 93,000 | 93,000 | 93,000 | | | | | | |
| Champaign | 8 | | | 556,550 | 103,000 | 813,711 | 521,748 | 387,404 | 277,979 | 246,611 | 14,426 | 51,454 | | 26,942 | | |
| Christian | 2 | | 6,000 | | | | 22,000 | 17,000 | | 14,000 | | | | | | |
| Clark | 1 | | | 14,000 | 7,000 | 8,000 | 6,000 | 4,800 | | | | | | | | |
| Clay | 1 | | 4,000 | | | 4,000 | 2,000 | 1,000 | | | | | | | | |
| Colles | 6 | | | 125,628 | | 282,948 | 297,841 | 123,845 | 99,650 | 338,943 | | 10,000 | | 6,000 | | |
| Cook | 1 | | 56,000 | 75,000 | | 50,000 | 14,000 | 10,000 | | 3,000 | | | | | | |
| Crawford | 1 | | 3,400 | 116,000 | | 99,400 | 87,800 | 60,000 | | | 16,000 | | | | | |
| Cumberland | 3 | | | 125,000 | | 99,000 | 73,500 | 65,000 | 1,000 | 12,000 | | | | | | |
| DeKalb | 3 | | 65,471 | 510,017 | 200,000 | 394,981 | 230,734 | 187,444 | 105,000 | 90,000 | 20,000 | 25,000 | | | | |
| Dewitt | 6 | | | 112,090 | 30,000 | 250,864 | 192,350 | 104,441 | 76,411 | 67,860 | | | | | | |
| Douglas | 6 | | 24,950 | 152,000 | | 181,949 | 137,941 | 99,500 | 49,881 | 51,020 | | | | | | |
| DuPage | 1 | | 40,700 | 176,000 | 24,000 | 183,000 | 60,000 | 71,000 | 12,955 | 21,450 | | 10,700 | | | | |
| Edgar | 13 | | | 220,300 | 33,333 | 416,758 | 278,086 | 265,676 | 167,769 | 127,188 | | | | | | |
| Ford | 2 | | 15,000 | 314,916 | | 254,967 | 108,221 | 62,653 | 25,375 | 16,376 | | | | | | |
| Fulton | 6 | | 17,857 | 339,857 | 76,857 | 427,857 | 200,337 | 142,557 | 32,875 | 60,818 | | 5,000 | | 2,000 | | |
| Gallatin | 1 | | | | | 20,000 | 20,000 | 10,000 | | | | | | | | |
| Greene | 4 | | | 320,000 | | 555,000 | 408,000 | 315,000 | 210,000 | 165,000 | | | | | | |
| Grundy | 1 | | 68,700 | 361,160 | | 301,800 | 118,225 | 82,225 | 18,939 | 23,936 | 7,900 | 10,350 | | | | |
| Henry | 6 | | 13,000 | 496,409 | | 383,272 | 124,140 | 101,759 | 20,216 | 20,232 | | | | | | |
| Iroquois | 1 | | 167,500 | 341,700 | | 341,700 | 168,860 | 169,710 | 15,500 | 21,000 | 33,000 | 10,000 | | | | |
| Kane | 1 | | 21,000 | 161,815 | | 86,147 | 36,185 | 46,341 | 3,048 | 20,921 | | | | | | |
| Knox | 1 | | | 44,958 | | 17,403 | 10,000 | 10,000 | 1,861 | 11,923 | | | | | | |
| Knox | 3 | | 2,600 | 236,324 | | 200,997 | 80,097 | 61,192 | 9,024 | 10,883 | | | | 1,000 | | |
| LaSalle | 2 | | 10,000 | 250,000 | | 170,000 | 100,000 | 70,000 | 17,000 | 14,004 | | | | | | |
| Lee | 2 | | 54,000 | 45,000 | | 45,000 | 30,000 | 20,000 | | | | | | | | |
| Livingston | 7 | | 421,368 | 33,000 | 33,000 | 281,094 | 228,355 | 186,164 | 126,504 | 132,644 | | | 1,000 | 120 | | |
| Logan | 4 | | 99,900 | 518,348 | | 518,348 | 296,007 | 196,276 | 115,267 | 145,518 | | | | | | |
| McLean | 6 | | 164,690 | 36,867 | | 227,904 | 117,511 | 114,372 | 17,500 | 18,760 | | | | | | |
| Macon | 10 | | | 388,079 | | 1,170,155 | 616,360 | 511,849 | 202,568 | 346,095 | | 20,000 | | | | |
| Macoupin | 2 | | 25,186 | 76,138 | | 1,165,960 | 36,460 | 36,460 | 15,095 | 26,946 | | 80 | | | | |

Table V.—Continued.

| County. | Number of factories. | Size 2 inch. | Size 2½ inch. | Size 3 inch. | Size 3½ inch. | Size 4 inch. | Size 5 inch. | Size 6 inch. | Size 7 inch. | Size 8 inch. | Size 9 inch. | Size 10 inch. | Size 11 inch. | Size 12 inch. | Size 13 inch. | Size 14 inch. |
|--------------------------------------|----------------------|--------------|---------------|--------------|---------------|--------------|--------------|--------------|--------------|--------------|--------------|---------------|---------------|---------------|---------------|---------------|
| Madison. | 1 | | | 9,000 | | 9,000 | 8,000 | 4,000 | 3,000 | 2,000 | | | | | | |
| Marion. | 2 | 1,000 | | 165,000 | | 216,000 | 35,000 | 25,000 | | | | | | | | |
| Morgan. | 2 | | | 192,683 | | 649,197 | 220,534 | 122,635 | 44,741 | 43,525 | 200 | 1,634 | | | | |
| Montrie. | 3 | | | 23,900 | 60,000 | 305,600 | 217,000 | 147,000 | 73,000 | 120,000 | | | | | | |
| Ogle. | 3 | 2,000 | 70,679 | 311,429 | | 271,855 | 182,555 | 183,896 | 53,562 | 5,012 | | | | | | |
| Peoria. | 1 | | | | | 100,000 | 80,000 | 90,000 | | | | | | | | |
| Pike. | 1 | | | 50,000 | 85,000 | 85,000 | 85,000 | 85,000 | 85,000 | 85,000 | | | | | | |
| Pitt. | 1 | 50,000 | | 50,000 | | 25,000 | 25,000 | 25,000 | | | | | | | | |
| Putnam. | 2 | | | 115,000 | | 85,000 | 60,000 | 50,000 | 2,000 | 1,000 | | | | | | |
| Rock Island. | 2 | | | 1,035,000 | | 1,035,000 | 420,000 | 308,000 | | 150,100 | | 50,000 | | | | |
| Sagamona. | 2 | 20,000 | | 1,035,000 | | 1,035,000 | 112,000 | 81,000 | 20,000 | 50,000 | | | | | | |
| Schuyler. | 3 | 1,000 | 210,000 | 131,000 | | 310,000 | 130,000 | 130,000 | 25,000 | 25,000 | | | | | | |
| Shelby. | 3 | | | 105,000 | | 200,000 | 120,000 | 80,000 | 25,000 | 25,000 | | | | | | |
| Stark. | 1 | | | 300,000 | | 300,000 | 200,000 | 100,000 | 100,000 | 100,000 | | | | | | |
| Tazewell. | 6 | | | 270,450 | 165,100 | 684,880 | 430,000 | 273,000 | 15,000 | 120,000 | | 6,000 | | | | |
| Vermillion. | 13 | | | 385,175 | 165,745 | 953,657 | 473,025 | 346,660 | 253,710 | 135,800 | | 6,000 | | | | |
| Wabash. | 1 | | | 27,000 | | 2,000 | 2,000 | 2,000 | 1,000 | | | | | | | |
| Warren. | 4 | 105,000 | | 1,556,400 | 10,000 | 986,200 | 455,400 | 436,400 | 121,050 | 85,000 | | | | | | |
| White. | 3 | | | 153,461 | 51,708 | 312,945 | 312,945 | 9,651 | 62 | | | | | | | |
| Will. | 4 | | | 580,460 | 112,228 | 107,750 | 301,110 | 239,322 | 106,820 | 98,338 | | | | | | |
| Woodford. | 5 | | | 103,915 | 157,541 | 396,640 | 257,461 | 113,025 | 29,000 | 25,000 | | | | | | |
| Totals. | 183 | 184,550 | 1,163,266 | 13,264,055 | 1,755,108 | 15,819,431 | 8,810,063 | 6,390,552 | 2,487,684 | 3,265,036 | 114,806 | 310,115 | 47,624 | 15,000 | 12,224 | 4,458 |
| Per cent. of each size to the whole. | | 0.272 | 2.151 | 24.534 | 3.246 | 29.313 | 16.366 | 11.820 | 5.841 | 6.041 | 0.212 | 0.573 | 0.027 | 0.104 | | |

TABLE VI.

Table VI presents a view of the growth of tile making in Illinois from 1875 to 1884, and the summaries of its present magnitude. The aggregate capital invested, and the aggregate amount of the manufactured product of 330 factories are given by counties, and the presumptive aggregate capital and product of the State are computed as in previous tables, assuming the whole number of factories to be 526. From 10 counties, in which are located 25 factories in all, no reports were received. In the case of these, the computation has been based on the average for the entire 330 factories whose statistics are known. A supplemental list of these counties, with the number of factories in each, is appended to the table. This table then presents the following general results: The amount of capital invested in 330 establishments is \$2,381,751, and the estimated amount invested in this industry throughout the State is \$3,794,000, an average per county of \$50,587, or per factory of \$7,213. The aggregate product of the 330 factories is 109,836,393 tile, and the computed product for the State 176,962,821 tile, equivalent to 33,516 miles of underground drains. This product, if equally apportioned, would be 1,689,790 tile for each of the counties engaged in this manufacture, and 332,838 for each factory.

| COUNTIES. | NUMBER OF FACTORIES IN OPERATION. | | | Number reported. | Aggregate Capital reported. | Aggregate Product reported. | Total Capital computed | Total Product computed |
|-------------------|-----------------------------------|----------|------------|------------------|-----------------------------|-----------------------------|------------------------|------------------------|
| | In 1875. | In 1880. | Jan. 1884. | | | | | |
| Brown..... | | | 3 | 2 | \$7,800 | 400,000 | \$11,700 | 600,000 |
| Bureau..... | 1 | 3 | 4 | 4 | 33,500 | 1,100,000 | 33,500 | 1,100,000 |
| Cass..... | | | 4 | 1 | 6,000 | 744,000 | 24,000 | 2,766,000 |
| Champaign..... | 2 | 2 | 18 | 16 | 115,000 | 4,531,877 | 129,375 | 5,088,361 |
| Christian..... | | 1 | 6 | 4 | 15,800 | 415,000 | 23,700 | 622,500 |
| Clark..... | | 1 | 2 | 2 | 4,900 | 140,000 | 4,900 | 140,000 |
| Clay..... | | | 1 | 1 | 1,000 | 16,000 | 1,000 | 16,000 |
| Col's..... | | 4 | 16 | 13 | 89,000 | 3,366,829 | 109,538 | 4,143,790 |
| Cook..... | | 1 | 1 | 1 | 5,000 | 208,000 | 5,000 | 208,000 |
| Crawford..... | | 1 | 2 | 2 | 7,000 | 408,700 | 7,000 | 388,700 |
| Cumberland..... | | 2 | 5 | 4 | 8,000 | 547,500 | 10,000 | 684,375 |
| DeKalb..... | | 3 | 4 | 4 | 67,000 | 2,750,000 | 67,000 | 2,750,000 |
| DeWitt..... | | 4 | 15 | 9 | 50,000 | 2,163,836 | 83,333 | 3,604,727 |
| Douglas..... | | 3 | 16 | 12 | 47,950 | 2,508,600 | 63,934 | 3,314,800 |
| DuPage..... | | 1 | 2 | 1 | 12,000 | 600,000 | 24,000 | 1,200,000 |
| Edgar..... | 2 | 2 | 22 | 15 | 50,100 | 1,649,150 | 73,480 | 2,418,753 |
| Edwardsville..... | | | 2 | 2 | 7,000 | 207,781 | 7,000 | 207,781 |
| Ffingham..... | | | 1 | 1 | 3,000 | 125,000 | 3,000 | 125,000 |
| Ford..... | | 1 | 5 | 4 | 23,884 | 837,508 | 29,825 | 1,046,885 |
| Fulton..... | | 6 | 11 | 10 | 73,184 | 2,587,000 | 80,502 | 2,845,700 |
| Gallatin..... | | 2 | 3 | 2 | 13,200 | 75,000 | 19,800 | 112,500 |
| Greene..... | 2 | 3 | 8 | 5 | 37,750 | 2,163,000 | 63,600 | 3,460,800 |
| Grundy..... | | 1 | 3 | 1 | 15,000 | 1,200,000 | 45,000 | 3,600,000 |
| Hancock..... | | 3 | 6 | 4 | 21,000 | 365,000 | 31,500 | 517,000 |
| Henry..... | | 6 | 10 | 8 | 37,000 | 1,762,358 | 46,250 | 2,202,948 |
| Iroquois..... | | 3 | 18 | 11 | 50,000 | 1,997,410 | 81,818 | 3,268,489 |
| Jasper..... | | | 1 | 1 | 5,000 | 175,000 | 5,000 | 175,000 |
| Kane..... | | | 4 | 3 | 45,500 | 1,694,000 | 56,875 | 2,258,667 |
| Kankakee..... | | 1 | 4 | 1 | 8,000 | 375,000 | 32,000 | 1,500,000 |
| Kendall..... | | 1 | 5 | 3 | 26,500 | 773,530 | 44,168 | 1,289,212 |
| Knox..... | | 1 | 8 | 5 | 50,500 | 890,127 | 80,500 | 1,421,200 |
| LaSalle..... | | 8 | 27 | 14 | 174,583 | 12,559,000 | 336,696 | 24,220,920 |
| Lee..... | | | 5 | 3 | 18,000 | 261,500 | 21,636 | 439,160 |
| Livingston..... | | 5 | 20 | 12 | 64,000 | 3,671,161 | 106,667 | 6,118,600 |
| Logan..... | | 5 | 7 | 7 | 66,000 | 3,528,005 | 66,000 | 3,528,005 |

Table VI—Continued.

| COUNTIES. | NUMBER OF FAC- TORIES IN OPERATION. | | | Number re- ported..... | Aggr'gate Capital reported. | Aggr'gate Product reported. | Total Capital computed | Total Product computed |
|---------------------|---|-------------|----------------|---------------------------|-----------------------------------|-----------------------------------|------------------------------|------------------------------|
| | In 1875. | In 1880. | Jan., 1884. | | | | | |
| McLean..... | | 9 | 17 | 15 | \$123,300 | 8,617,000 | \$139,740 | 9,765,933 |
| Macon..... | 1 | 8 | 25 | 16 | 104,000 | 4,807,018 | 163,435 | 7,694,715 |
| Macoupin..... | | 2 | 6 | 4 | 29,000 | 1,064,000 | 43,500 | 1,647,000 |
| Madison..... | 1 | 1 | 3 | 1 | 5,000 | 35,000 | 15,000 | 146,000 |
| Marion..... | | 1 | 3 | 1 | 1,500 | 20,000 | 4,500 | 60,000 |
| Mercer..... | 1 | 3 | 7 | 5 | 18,500 | 804,500 | 25,900 | 1,125,300 |
| Montgomery..... | 1 | 2 | 2 | 1 | 20,000 | 500,000 | 40,000 | 1,000,000 |
| Morgan..... | 1 | 2 | 4 | 3 | 27,500 | 1,384,394 | 95,605 | 1,446,635 |
| Moultrie..... | | 2 | 8 | 5 | 29,000 | 1,489,000 | 45,400 | 2,360,000 |
| Ogle..... | | | 4 | 3 | 45,000 | 897,054 | 60,000 | 1,196,031 |
| Peoria..... | 2 | 4 | 11 | 4 | 8,000 | 630,000 | 22,000 | 1,722,500 |
| Piatt..... | | 1 | 9 | 4 | 26,000 | 1,410,000 | 53,500 | 3,172,500 |
| Pike..... | 1 | 1 | 3 | 1 | 9,000 | 180,000 | 27,000 | 540,000 |
| Putnam..... | | 2 | 5 | 4 | 11,500 | 681,000 | 14,375 | 851,250 |
| Richland..... | | | 1 | 1 | 2,000 | 19,000 | 2,000 | 19,000 |
| Rock Island..... | 2 | 2 | 4 | 3 | 106,500 | 3,557,900 | 142,000 | 743,800 |
| St. Clair..... | | 1 | 1 | 1 | 10,000 | 300,000 | 10,000 | 300,000 |
| Sangamon..... | 1 | 5 | 12 | 6 | 57,000 | 2,026,000 | 114,000 | 4,052,000 |
| Schuyler..... | 1 | 2 | 5 | 3 | 15,800 | 730,000 | 28,300 | 1,216,000 |
| Scott..... | | | 3 | 1 | 2,000 | 105,000 | 6,000 | 315,000 |
| Shelby..... | | 1 | 12 | 5 | 21,400 | 711,000 | 51,360 | 1,706,400 |
| Stark..... | | 1 | 6 | 2 | 15,000 | 2,108,000 | 45,000 | 6,324,000 |
| Tazewell..... | 1 | 8 | 13 | 10 | 52,200 | 3,073,752 | 67,950 | 3,935,873 |
| Vermilion..... | | 6 | 26 | 15 | 64,300 | 2,918,752 | 109,720 | 5,069,170 |
| Wabash..... | | 1 | 2 | 2 | 5,000 | 110,000 | 5,000 | 110,000 |
| Warren..... | 2 | 3 | 8 | 6 | 73,300 | 3,205,400 | 97,733 | 4,273,867 |
| Wayne..... | | | 1 | 1 | 700 | 25,000 | 700 | 25,000 |
| White..... | 1 | 1 | 3 | 3 | 10,800 | 276,134 | 10,800 | 276,134 |
| Will..... | 1 | 2 | 10 | 6 | 153,500 | 5,560,994 | 255,800 | 9,308,233 |
| Woodford..... | | 6 | 18 | 10 | 79,200 | 5,707,050 | 142,560 | 10,272,000 |
| Other counties..... | 24 | 151 | 501 | 330 | \$2,331,751 | 109,836,393 | \$3,613,575 | 168,644,771 |
| Totals..... | 24 | 166 | 526 | 330 | \$2,331,751 | 109,836,393 | \$3,794,000 | 176,962,821 |

TILE FACTORIES IN COUNTIES FROM WHICH NO RETURNS HAVE BEEN RECEIVED

| | | | | | | | | |
|--------------------------|--|--|----|--|----------|-----------|----------|-----------|
| Lake..... | | | 1 | | | | | |
| Lawrence..... | | | 2 | | | | | |
| McDonough..... | | | 6 | | | | | |
| Marshall..... | | | 4 | | | | | |
| Mason..... | | | 1 | | | | | |
| Menard..... | | | 5 | | | | | |
| Randolph..... | | | 2 | | | | | |
| Stephenson..... | | | 1 | | | | | |
| Washington..... | | | 2 | | | | | |
| Whiteside..... | | | 2 | | | | | |
| | | | 25 | | | | | |
| Average per county..... | | | | | \$36,642 | 1,689,790 | \$50,587 | 2,359,504 |
| Average per factory..... | | | | | 7,217 | 332,838 | 8,713 | 336,431 |

NOTES FROM CORRESPONDENTS

DESIRING THE

ESTABLISHMENT OF MORE TILE FACTORIES.

As an addendum to the foregoing, space is given to the following remarks of correspondents expressive of the need for tile manufacture in their respective localities:

PRAIRIE HOME, SHELBY COUNTY.

"There are no persons or firms engaged in the manufacture of drain tile nearer than seven or eight miles from here, though this country is greatly in need of tile."

HIRAM JOHNSON.

ROCKFORD, WINNEBAGO COUNTY.

"There is no tile factory in this county, but there is one at Stillman's Valley in the adjoining county. They are making a white and very hard brick at one place in this county, where I think they might make excellent tile."

GEORGE TALLOCK.

SHILOH HILL, RANDOLPH COUNTY.

"Although tile are very much needed in our town, there is no manufactory of the kind here."

R. R. LOONEY.

BURKVILLE, MONROE COUNTY.

"I am thoroughly acquainted with this county, and I can state definitely that there is not a drain tile made in it, although there are plenty used, and a factory would have all it could do to supply the home demand."

J. H. JAENKE.

ALTAMONT, EFFINGHAM COUNTY.

"We have no tile factory in our county, but need one very much. I think it a good opening."

D. F. PIPER.

STERLING, WHITESIDE COUNTY.

"There is no one manufacturing drain tile in this vicinity, but there is good material to be had for that purpose."

J. A. MORGAN.

MANITO, MASON COUNTY.

"There are no drain tile manufactured here, and no one in the business, but this would be a splendid locality for it, as there is a great quantity needed."

J. A. McCOMAS.

FREDERICKSVILLE, SCHUYLER COUNTY.

"There is no drain tile factory in this town, but this is the best location for one in the State. We have a good brick yard and stoneware factory, but no manufacture of tile."

J. F. BELLAMY.

HILLSBOROUGH, MONTGOMERY COUNTY.

"There are no tile factories in this township, and only one that I know of in this county, but there is plenty of good material, and a good demand in this locality."

THOMAS STANDRING.

DONOVAN, IROQUOIS COUNTY.

"We have no manufacture of drain tile in this township, but need one. The farmers are using a great deal of tile brought from other points."

JOHN NELSON.

WAYNE, DUPAGE COUNTY.

"We have no tile factory, but there is a splendid chance here for some one to invest in that business."

WILLIAM ARENS.

MANTENO, KANKAKEE COUNTY.

"We have no drain tile manufactory in our town, but think one would pay here, as it would have a large tract of country to supply, and tile is very much in demand."

JOHN D. BREEN.

BROWNSTOWN, FAYETTE COUNTY.

"There is no tile manufactured in this district, but a good firm could do a thriving business."

T. S. WASHBURN.

VANDALIA, FAYETTE COUNTY.

"There is no drain tile made in this county, though we are very much in need of drainage for our lands."

CHARLES L. DINGES.

PANOLA, WOODFORD COUNTY.

"No tile manufactured in this town or in the country tributary to it."

P. M. EVANS.

DIRECTORY OF DRAIN TILE MAKERS IN ILLINOIS, 1884.

BROWN COUNTY.

| | | | |
|---------------------------------|---------------|-------------------------|---------|
| Rush, Hersman & Co..... | Mt. Sterling. | R. R. Randall & Co..... | Ripley. |
| Brown Co. Drain Tile Works..... | Mt. Sterling. | | |

BUREAU COUNTY.

| | | | |
|------------------------|--------------|-------------------|------------|
| Horatio Churchill..... | Buda. | Wagner Bros..... | Princeton. |
| Louis Oberschelp..... | New Bedford. | A. W. Walton..... | Princeton. |
| Joseph Lyford..... | Neponset. | | |

CASS COUNTY.

| | | | |
|-------------------------|----------------|---------------------|-----------|
| Campbell & Chapman..... | Cass Siding. | Thomas Finney..... | Virginia. |
| Thomas Dyson..... | Chandlerville. | Philemon Stout..... | Virginia. |

CHAMPAIGN COUNTY.

| | | | |
|----------------------------|-------------|----------------------------|-------------|
| Beecher & Pratt..... | Savoy. | Tolono Tile Manufactory... | Tolono. |
| A. M. Scott..... | Champaign. | Laughlin & O'Bryan..... | Parkville. |
| Champaign Tile Co..... | Champaign. | Burton Brothers..... | Philo. |
| W. A. Jones..... | Sidney. | Cook & Beacham..... | Gifford. |
| Mortimer Smith..... | Homer. | B. J. Gifford..... | Rantoul. |
| Bayless & McKenney..... | Lost Grove. | Connor & Patton..... | Rantoul. |
| James C. Dunning..... | Mahomet. | John Voss..... | Thomasboro. |
| Warner, Morehouse & Co.... | Mahomet. | Sutton & Sheldon..... | Urbana. |
| George A. Fisher..... | Fisher. | Tomlinson Tile Factory... | Tomlinson. |
| Seymour Tile Co..... | Seymour. | | |

CHRISTIAN COUNTY.

| | | | |
|-----------------------------|-------------|-----------------------|----------------|
| Scribner, Tobey & Co..... | Assumption. | Philip Fleigle..... | Morrisonville. |
| Flat Branch Tile Works..... | Assumption. | W. C. Sharp & Co..... | Mt. Auburn. |
| Segress & Ogelvie..... | Edinburg. | Jesse W. Johnson..... | Pana. |

CLARK COUNTY.

| | | | |
|----------------------|--------|----------------------|---------|
| Brown & Rhoades..... | Casey. | James E. McCabe..... | Orange. |
|----------------------|--------|----------------------|---------|

CLAY COUNTY.

| | | |
|------------------------|--------|--|
| Abraham Chidester..... | Flora. | |
|------------------------|--------|--|

COLES COUNTY.

| | | | |
|-------------------------|---------------|----------------------|----------|
| J. B. Carter..... | Ashmore. | R. H. Olson | Lerna. |
| Crum & Webb..... | Cook's Mills. | B. S. Briles..... | Etna. |
| S. H. Record & Co..... | Charleston. | Theodore Jants..... | Mattoon. |
| Beals & Beals..... | Trilla. | Beals & Beals..... | Mattoon. |
| Baker & Reynolds..... | Hulton. | Mattoon Tile Co..... | Mattoon. |
| William McCandlish..... | Janesville. | G. V. Miller..... | Mattoon. |
| Osborne & Goodell..... | Lerna. | Green Brothers..... | Oakland. |
| U. S. McDonald..... | Lerna. | | |

COOK COUNTY.

| | | |
|--------------------|-----------|--|
| A. O. Bradway..... | Oak Glen. | |
|--------------------|-----------|--|

CRAWFORD COUNTY.

| | | | |
|--------------------|-----------|---------------------|----------|
| D. F. Johnson..... | Robinson. | Thomas Carrell..... | Trimble. |
|--------------------|-----------|---------------------|----------|

CUMBERLAND COUNTY.

| | | | |
|-----------------------|---------|---------------------------|--------------|
| Phillip & Dow..... | Neoga. | Shady Dell Brick and Tile | |
| L. B. Dunesing..... | Toledo. | Works..... | Table Grove. |
| Charles Mitchell..... | Toledo. | | |

DE KALB COUNTY.

| | | | |
|--------------------|-----------|-------------------------|-----------|
| P. H. Nichols..... | Hinckley. | Dietrich & Ebinger..... | Sandwich. |
| John T. Kerr..... | Hinckley. | W. N. Fairalo..... | Sycamore. |

DE WITT COUNTY.

| | | | |
|-----------------------|--------------|--------------------------|--------------|
| F. C. Davidson..... | Clinton. | Lane Tile Works | Lane. |
| Charles Richter..... | DeWitt. | Geo. W. Thomas & Co..... | Seymour. |
| Jesse S. Davis..... | DeWitt. | Carle & Downing..... | Wapella. |
| John Walters..... | DeWitt. | Dick & Chatham..... | Waynesville. |
| J. Major & Son..... | Farmer City. | Eber Davenport..... | Waynesville. |
| Joseph Neal..... | Farmer City. | J. Seborg & Co..... | Weldon. |
| Bennett & Cross..... | Hallville. | Andrew Paulson..... | Weldon. |
| Lunday & Wallace..... | Kenney. | | |

DOUGLAS COUNTY.

| | | | |
|-------------------------|---------|-------------------------------|------------|
| Hartford & Bowman..... | Arcola. | R. C. Patterson..... | Camargo. |
| Ervin & Snyder..... | Arcola. | F. W. Hammett..... | Camargo. |
| Eisele & Jacquart..... | Arcola. | Stiles, Robbins & Parish..... | Hindsboro. |
| J. H. Kelly & Sons..... | Atwood. | Paul & Fields..... | Newman. |
| Hawkes & Gross..... | Atwood. | Rutherford & Timmons | Newman. |
| Mr. Snipes..... | Atwood. | Hall & Jackson..... | Tuscola. |
| Louis Grant..... | Bagdad. | Martin Brothers..... | Arthur. |

DU PAGE COUNTY.

| | | | |
|-------------------------|----------|------------------------|-------------|
| Wm. Hammerschmidt & Co. | Lombard. | Martin & Van Ovan..... | Naperville. |
|-------------------------|----------|------------------------|-------------|

EDGAR COUNTY.

| | | | |
|--------------------------|------------|-----------------------------|----------------|
| Prosper & Son..... | Edgar. | J. W. & M. C. Register..... | Paris. |
| Tucker Brothers..... | Horace. | J. Jackner..... | Paris. |
| Wilkinson & Miller..... | Horace. | A. O. Shank..... | Paris. |
| Horace C. Johnston..... | Horace. | James Flickner..... | Paris. |
| F. J. Mattox..... | Scotland. | Wm. Culbertson & Son..... | Mays Station. |
| Buckley & Johnson..... | Paris. | John Mays..... | Mays Station. |
| Marion Link..... | Paris. | H. Watson..... | Grandview. |
| J. W. Rawlings & Co..... | Grandview. | Hamil & Clement..... | Brockton. |
| Morton & Morton..... | Nevins. | B. C. Fatterson..... | Metcalf. |
| J. & O. Laufman..... | Oliver. | Thomas Paxton..... | Kansas. |
| Vermilion Tile Co..... | Vermilion. | John Paxton..... | Kansas. |
| James Casteel..... | Redmon. | Marcellis Keys..... | Baldwinsville. |

EDWARDS COUNTY.

| | | | |
|---------------------|---------|----------------------|------------|
| Boven & Beloit..... | Browns. | Wheatcroft & Co..... | Grayville. |
|---------------------|---------|----------------------|------------|

EFFINGHAM COUNTY.

| | | | |
|-------------------|------------|--|--|
| M. Dieterich..... | Dieterich. | | |
|-------------------|------------|--|--|

FORD COUNTY.

| | | | |
|-----------------------------------|--------------|----------------------------|--------------|
| Peter Wagoner & Co..... | Caberry. | Andrew Jordan..... | Gibson City. |
| Ames & Wright..... | Caberry. | Paxton Brick and Tile Co.. | Paxton. |
| Roberts Brick and Tile Works..... | Roberts. | Swan Lunburg..... | Paxton. |
| Eggleston & Spaulding..... | Gibson City. | H. W. Johnson..... | Paxton. |

FULTON COUNTY.

| | | | |
|-----------------------------|---------------|------------------------|--------------|
| T. J. Routh..... | London Mills. | John O. Beer..... | Fairview. |
| Van Winkle & Tompkins .. | Avon. | John Kane..... | Ipava. |
| Randolph Fire Clay Works.. | Avon. | Morse & Davis..... | Rapatee. |
| Cuba Brick and Tile Works.. | Cuba. | P. P. Murray..... | Table Grove. |
| A. Keeling & Son..... | Farmington. | W. W. Ellis & Son..... | Canton. |
| A. A. Spinney..... | Farmington. | Nathaniel Stubbs..... | Canton. |
| Timothy Morse..... | Fairview. | D. W. Hettrick..... | Astoria. |

GALLATIN COUNTY.

| | | | |
|----------------------|-----------|-------------------|-----------|
| Smith & Summers..... | Ridgeway. | Wm. McIntyre..... | Equality. |
| Johnson & Co..... | Omaha. | | |

GREENE COUNTY.

| | | | |
|--|-------------|---------------------|-------------|
| Fire Clay Works..... | White Hall. | L. S. Bushnell..... | Carrollton. |
| Culbertson, Smith & Co..... | White Hall. | John King..... | White Hall. |
| Purdy & Co..... | White Hall. | W. T. Lowry..... | Roodhouse. |
| Gri-wold & Stave..... | Greenfield. | Green Mattie..... | Rockbridge. |
| Green Maddy, Sr., & G. W. Maddy, Jr..... | Rockbridge. | | |

GRUNDY COUNTY.

| | | | |
|---------------------------|---------|------------------------|--------|
| Greigs. Martin & Co | Morris. | Martin & Cochran | Mazon. |
| H. Burrell & Co | Morris. | | |

HANCOCK COUNTY.

| | | | |
|------------------------------------|-------------|----------------------------------|-----------|
| Garland & Doyle | Augusta. | F. D. Lyon & Co | Hamilton. |
| William Highland | Augusta. | Ransom Ingraham | La Harpe. |
| R. H. Routh & Co | Augusta. | Plymouth Brick and Tile Co | Plymouth. |
| The Bowensburg Brick Tile Co | Bowensburg. | | |

HENRY COUNTY.

| | | | |
|-----------------------|-----------|--------------------------|------------|
| H. A. Washburn | Galva. | Isaac Cook | Kewanee. |
| J. B. McHose | Orion. | Geneseo Tile Works | Geneseo. |
| Mowbray & Lawes | Atkinson. | F. A. Cook | Cambridge. |
| Rankin & Miner | Kewanee. | Andrew Westerlund | Lynn. |
| Fred. Gunther | Kewanee. | | |

IROQUOIS COUNTY.

| | | | |
|---------------------------------|------------|-----------------------------------|--------------|
| A. M. & C. W. Bishop | Ash Grove. | Christopher Anderson | Roberts. |
| S. B. Gray | Goodwin. | Thawville Tile and Brick Co | Thawville. |
| Hamer & Bonfield | Iroquois. | Slocum & Lutz | Loda. |
| James Wilde & Son | Gilman. | John Fernald | Weillington. |
| H. Barnes & Co | Onarga. | J. C. Anderson | Woodland. |
| F. N. Beach | Onarga. | W. H. Mogg | Milford. |
| Sheldon Tile Works | Sheldon. | Jasper Prutsman | Milford. |
| Pressed Brick and Tile Co | Caberry. | Z. Hockett | Watseka. |

JACKSON COUNTY.

| | | | |
|---------------------|-------|--|--|
| O. Kilpatrick | Anna. | | |
|---------------------|-------|--|--|

JASPER COUNTY.

| | | | |
|---------------------|---------|------------------------|---------|
| C. A. Nebeker | Newton. | D. B. Brown & Co | Newton. |
|---------------------|---------|------------------------|---------|

KANE COUNTY.

| | | | |
|--------------------------|-------------|----------------------------|------------|
| Chris. Solfishburg | Aurora. | Stephenson & Stryker | Hampshire. |
| Benson & Gillett | Aurora. | D. H. Halger | Dundee. |
| Sharp & Wilson | Blackberry. | | |

KANKAKEE COUNTY.

| | | | |
|---------------------------|-------------|-------------------------|----------------|
| Hiram Groover | Waldron. | D. C. Taylor | Kankakee City. |
| Richardson & Curtis | Grant Park. | De-bank & Clayton | Kankakee City. |

KENDALL COUNTY.

| | | | |
|--------------------------|------------|-------------------------|-------------|
| William Wright & Co..... | Millbrook | McGlenn & Doran | Plano. |
| Joseph Tarbox..... | Yorkville. | Millington Tile Co..... | Millington. |
| James Bell | Minooka. | | |

KNOX COUNTY.

| | | | |
|---|------------|---------------------------|------------|
| W. H. Beason | Yates City | F. A. Patton..... | Galesburg. |
| William Jones..... | Knoxville. | F. P. Totta | Abingdon. |
| Galesburg Pressed Brick & Tile Co..... | Galesburg. | Charles Prister & Co..... | Wafaga. |
| Henry Miles..... | Galesburg. | J. W. Temple | Victoria. |
| | | S. W. Brown..... | Avon. |

LAKE COUNTY.

| | | | |
|----------------------|-------------|--|--|
| Cloes & Fowler | Lake Bluff. | | |
|----------------------|-------------|--|--|

LA SALLE COUNTY.

| | | | |
|--|------------------|--------------------------------------|-------------|
| Holly & Co..... | Peru. | Streator Tile Co..... | Streator. |
| Robert Unzicker..... | Peru. | Parker Tile Works..... | Streator. |
| John Sweeley | Seneca. | Hardscrabble Brick & Tile Co..... | Streator. |
| John Crotty | Seneca. | A. E. & F. D. Howland..... | Farm Ridge. |
| William Munson | Fredonia. | Green Brothers | Dayton. |
| J. A. Gonger | Earlville. | George Stare | Mendota. |
| A. T. Griffen | Utica. | E. D. Terry..... | Millington. |
| James Reynolds & Co..... | Utica. | Long Brothers | Marseilles. |
| Richey & Holland | Lowell. | Jonas Lehman | Marseilles. |
| Clark & Wiswall | Lowell. | Ambrose Trumbo | Ottawa. |
| Mears & Brothers | Vermilionville.. | Hess & Williams..... | Ottawa. |
| Charles Wiswall | Vermilionville.. | Ottawa Fire Clay & Brick Co | Ottawa. |
| McShane Brothers..... | Lostant. | Smith, Demey & Gileb .. | Triumph. |
| Philo Barber & Sons..... | Lostant. | Jacob Hagl | Ransom. |
| Twin City Brick & Tile Co... | LaSalle. | | |
| LaSalle Drain Tile & Brick Co | LaSalle. | | |

LAWRENCE COUNTY.

| | | | |
|--------------------------|-------------|--|--|
| Cox & Schmallhausen..... | Bridgeport. | | |
|--------------------------|-------------|--|--|

LEE COUNTY.

| | | | |
|---------------------------------------|----------------|-----------------------------|----------------|
| John Whitneck of Clinton, Ill..... | Amboy. | John Lamon & Co..... | Franklin Grove |
| Crotty, Doane & Fish..... | Franklin Grove | Dixon Brick & Tile Co..... | Dixon. |
| | | North Dixon Brick & Tile Co | North Dixon. |

LIVINGSTON COUNTY.

| | | | |
|---------------------------|-----------|-----------------------------|-------------|
| H. C. Bruner | Pontiac. | L. Powers | Weston. |
| Adams & Custer | Pontiac. | J. B. Robinson & Co. | Planagan. |
| H. J. Straight | Fairbury. | William Armitage | Odell. |
| J. W. McDowell | Fairbury. | McKee & Gallup | Dwight. |
| Widdefield Brothers | Fairbury. | Henry Leidetop | Budd. |
| Barnes & King | Fairbury. | Pratt Brothers | Cropsey. |
| J. M. Travis | Fairbury. | W. S. Marshall & Co. | Forest. |
| Francis Brothers | Fairbury. | Forest Centennial Brick and | |
| D. H. Snyder & Son | Cornell. | Tile Factory | Forest. |
| Shaw & Myers | Cornell. | A. H. States | Long Point. |
| Saunemin Tile Works | Saunemin. | Ambury Tile Factory | Adams. |

LOGAN COUNTY.

| | | | |
|------------------------------|----------|-------------------------|--------------|
| W. S. Snyder & Sons | Latham. | Samuel Baker & Co. | Chestnut. |
| Lincoln Coal Mining Co. | Lincoln. | Lundy & Wallace | Kenney. |
| J. H. Donson | Atlanta. | D. Van Hise | Mt. Pulaski. |
| R. Brant | Atlanta. | | |

M'LEAN COUNTY.

| | | | |
|-----------------------------|----------------|------------------------------|---------------|
| Pike & Castle | Chenoa. | Kelley & Zenor | LeRoy. |
| Joseph Dorland | Randolph. | George Human | LeRoy. |
| R. Wirt & Co | Saybrook. | Funk's Grove Tile Factory .. | Funk's Grove. |
| O. M. Rowe & Co | Saybrook. | Stoops & Pochel | Colfax. |
| Oliver Tilbury | Towanda. | P. Buckles | Delano. |
| A. W. Skinner | Hudson. | Vasey & Enler | Belleflower. |
| S. W. Baker | Danvers. | R. & B. F. Fencetemaker .. | Ellsworth. |
| Bertell & Stoll | Lexington. | Finch Brothers | Padua. |
| N. B. Heufer & Co | Bloomington... | Power & Dillon | Weston. |
| Cook & Pratt Brothers | Cropsey. | | |

MACON COUNTY.

| | | | |
|------------------------------------|--------------|-----------------------------|--------------|
| Christopher Brothers & Danir | Macon. | Benjamin McGuire | Harristown. |
| Martin & Gillen | Wheatland. | Black Brothers & Co. | Warrensburg. |
| L. C. Farnum & Co | Niantic. | George Kepler & Son | Warrensburg. |
| Connagham Brothers | Niantic. | J. E. Davis | Mount Zion. |
| William Traver | Decatur. | D. W. Garver | Mount Zion. |
| Decatur Tile Co | Decatur. | Riser Brothers | Argenta. |
| Wm. H. Martin | Decatur. | Queney & Myers | Argenta. |
| Riser Brothers | Decatur. | S. W. Jones | Oreana. |
| H. C. John & Son | Decatur. | R. F. Morrison | Oreana. |
| Conrad Ammann | Decatur. | C. E. Bosworth & Sons | Blue Mound. |
| Boach, Cann & Co | Decatur. | E. E. Lemon | Blue Mound. |
| John Robinson | Cerro Gordo. | W. H. Long | Maroa. |
| Brown & Starr | Cerro Gordo. | W. H. Stoutenborough | Maroa. |
| Hill & Coleman | Boody. | George Coopers | Maroa. |

MARSHALL COUNTY.

| | | | |
|-----------------------|-----------|-------------------------|--------|
| Joseph Skinner | Wenona. | T. J. Brasfield | Henry. |
| J. W. McLanahan | Sparland. | Kennedy & Clemens | Varna. |

MACOUPIN COUNTY.

| | | | |
|-----------------------------|---------------|-----------------------|-------------|
| John W. Utt | Virden. | Liston & Harris | Carlville. |
| Girard Coal & Tile Co | Girard. | Robert Tucker | Palmyra. |
| J. W. Maxfield & Co | Barr's Store. | J. W. Whitlock | Scottville. |

MADISON COUNTY.

| | | | |
|--------------------------|-----------|----------------------|-----------------|
| M. H. Boals & Co..... | Alton. | Mr. Gottschalk | Alton Junction. |
| Highland Tile Works..... | Highland. | | |

MARION COUNTY.

| | | | |
|---------------------------|--------------|------------------------|---------------|
| Cook, Barnet & Woodward.. | Odin. | T. M. Woods & Bro..... | Central City. |
| M. Hockdoefer | Center City. | | |

MERCER COUNTY.

| | | | |
|--------------------------|----------|--------------------------|--------------|
| Townsley & Braucht | Joy. | James Stephenson..... | New Boston. |
| Griffen Brothers | Griffen. | Andrew Westerland | Swedenia. |
| B. F. Townsley | Aledo. | F. A. Griffen & Bro..... | New Windsor. |
| Griffen Brothers | Cable. | | |

MENARD COUNTY.

| | | | |
|------------------------|---------------|----------------|---------|
| Sanford Brothers | Tallula. | C. Clark | Athens. |
| Snell & Rowe..... | Tice Station. | | |

MONTGOMERY COUNTY.

| | | | |
|-------------------------|----------------|---------------------|-------------|
| Litchfield Tile Co..... | South Litchf'd | C. O. Sullens | Litchfield. |
|-------------------------|----------------|---------------------|-------------|

MORGAN COUNTY.

| | | | |
|--------------------------|---------------|---------------------------|----------|
| Henry M. Whitire..... | Jacksonville. | William P. Craig | Woodson. |
| William Taylor & Co..... | Waverly. | C. S. & A. L. French..... | Chapin. |

MOULTRIE COUNTY.

| | | | |
|------------------------|------------|--------------------------|--------------|
| James A. Gregory | Lovington. | Wilkinson Brothers | Bethany. |
| C. L. Roane | Sullivan. | John Cook | Bethany. |
| M. L. Lowe | Sullivan. | Edminston Brothers | Dalton City. |
| John R. Martin | Nelson. | | |

M'DONOUGH COUNTY.

| | | | |
|----------------------------|---------------|--|-----------|
| Bradbury, Shoup & Leard .. | Prairie City. | Bushnell Fire Clay & Tile Factory | Bushnell. |
|----------------------------|---------------|--|-----------|

OGLE COUNTY.

| | | | |
|---|--------------------------|------------------------|-----------|
| Stillman Valley Tile & Brick Factory | Stillman Valley Polo. | William Stocker | Rochelle. |
| George French | | Rochelle Union Co..... | Rochelle. |
| | | E. Hille & Co..... | Rochelle. |

PEORIA COUNTY.

| | | | |
|---------------------------|--------------|------------------------|---------------|
| W. L. Miller & Sons | Monica. | William Hodson | Brimfield. |
| Mr. Knees | Monica. | J. Hart | Brimfield. |
| Monica Factory..... | Monica. | Ephriam Tucker | French Grove. |
| Loth Murst | Bartonville. | John S. Tucker | French Grove. |
| R. J. McCullough | Hanna. | William Connelly | Richmond. |
| O. H. Helney | Brimfield. | | |

PIATT COUNTY.

| | | | |
|-------------------------|-------------|---------------------------|-------------|
| Olemens Brothers | Mansfield. | Kiats & Ammann..... | Monticello. |
| Ainsworth & Hyatt | Osco. | Gaunts & Bowsher | DeLand. |
| H. L. Adams | Monticello. | Williamson Brothers | Lodge. |
| J. A. Bender & Co..... | Monticello. | Elcock & Co. | Bement. |

PIKE COUNTY.

| | | | |
|-----------------------|-------------|-------------------|---------|
| William Kaspohle..... | Pittsfield. | Fred. Hudson..... | Milton. |
| J. C. Chilton | Barry. | | |

PUTNAM COUNTY.

| | | | |
|-----------------------------|---------------|----------------------------|------------|
| Mills Brothers | Clear Creek. | Harkness, Hayslip & Co.... | Granville. |
| W. B. Mills & Brothers..... | Mt. Palatine. | Robert Hinds | Putnam. |

RANDOLPH COUNTY.

| | | | |
|------------------------|----------|--|--|
| Finney & Johnson | Chester. | | |
|------------------------|----------|--|--|

RICHLAND COUNTY.

| | | | |
|---------------------|--------|--|--|
| Olem Brothers | Olney. | | |
|---------------------|--------|--|--|

ROCK ISLAND COUNTY.

| | | | |
|---------------------------|---------------|------------------------|------------|
| H. & C. F. Fullerton..... | Hampton. | Theodore Simmons | Andalusia. |
| Argillo Works..... | Carbon Cliff. | H. C. Wylie | Andalusia. |

ST. CLAIR COUNTY.

| | | | |
|------------------------|-------------|--|--|
| Gooding & Stookey..... | Belleville. | | |
|------------------------|-------------|--|--|

SANGAMON COUNTY.

| | | | |
|-------------------------------------|----------------|-------------------------|--------------------|
| D. W. Stookey..... | Buffalo. | George Gillen..... | Cantrall. |
| Berment & Barbre..... | Mechanicab'rg. | Baldrige Brothers..... | Illtopolis. |
| H. Dawson & Son..... | Springfield. | Majonnier & Ulrich..... | Lanesville. |
| J. E. DeShara & Co..... | Springfield. | | (Spr'g'd'ld' p.o.) |
| Speed Butler..... | Springfield. | Elijah Farnham..... | Buffalo Hart. |
| R. E. Morse..... | Auburn. | Joseph Barth..... | Salisbury. |
| The Auburn Coal and Tile Co..... | Auburn. | | |

SCHUYLER COUNTY.

| | | | |
|-------------------------|------------|-------------------|---------------|
| John McCabe & Son..... | Rushville. | Rufus Porter..... | Ray. |
| Pemberton Brothers..... | Ray. | C. M. Erwin..... | Littleton. |
| Proctor & Co..... | Ray. | Ernig & Co..... | Sheldon's Gr. |

SCOTT COUNTY.

| | | | |
|----------------------------|-------------|--------------------------|-------------|
| Newton J. Smith & Bro..... | Aley. | Coons Brothers & Co..... | Winchester. |
| Manchester Drain Tile Co.. | Manchester. | | |

SHELBY COUNTY.

| | | | |
|------------------------|--------------|----------------------------|---------------|
| Moses Flanders..... | Shelbyville. | S. E. Spraker..... | Windsor. |
| David Truitt..... | Shelbyville. | Brown & Shade..... | Windsor. |
| Graybill & Stuart..... | Shelbyville. | J. N. Corrington & Co..... | Moawequa. |
| Aaron Swalt..... | Shelbyville. | Moawequa Tile Co..... | Moawequa. |
| John Stewart..... | Shelbyville. | Flat Branch Tile Co..... | Moawequa. |
| J. N. Steward..... | Shelbyville. | P. Christopher & Co..... | Prairie Bend. |

STARK COUNTY.

| | | | |
|----------------------------|------------|-----------------------|----------|
| Samuel White..... | LaFayette. | R. G. McCullough..... | Wyoming. |
| Wyoming Brick and Tile Co. | Wyoming. | W. H. Gray..... | Wyoming. |

TAZEWELL COUNTY.

| | | | |
|-------------------------|-------------|--------------------------|------------|
| Smith & Co..... | Hope. | Hobart & Franklin..... | Delavan. |
| C. C. Young..... | Elm Grove. | Williams & Tuttle..... | Fulamore. |
| Johnson & Bolander..... | Pekin. | W. A. Gloifelter..... | Menier. |
| H. W. Smith..... | Pekin. | Wm. Brennerman & Co..... | Hopedale. |
| Snyder & Jansen..... | Pekin. | E. L. Hay..... | Silly. |
| Rapp Brothers..... | Morton. | John Mickins..... | Silly. |
| George W. Detler..... | Morton. | G. Stafford..... | Armington. |
| Smitzer & Bayles..... | Washington. | P. L. Buckles..... | Delana. |

UNION COUNTY.

| | | | |
|--------------------|-------|--|--|
| O. Kilpatrick..... | Anna. | | |
|--------------------|-------|--|--|

VERMILION COUNTY.

| | | | |
|-----------------------------|---------------|-----------------------------|------------------|
| Thomas Armstrong..... | Rossville. | Mr. Armstrong..... | Penfield. |
| Ford & Conkrite..... | Rossville. | G. W. Cunningham & Bro..... | Bismark. |
| William Thomas..... | Rossville. | Woods & Songer..... | Tilton. |
| W. S. Graves & Brother..... | East Lynn. | Lewis Williams..... | Alvan. |
| Bennett & Moore..... | Hoopeston. | W. H. Adams..... | Indianola. |
| David Smith..... | Ridge Farm. | Gray Brothers..... | Sidell Grove. |
| Fetters & Lawrence..... | Ridge Farm. | Cannaday & Vanneman..... | Archie. |
| Mendenhall Brothers..... | Ridge Farm. | W. J. Mann..... | Fairmount. |
| John Dukes & Son..... | Westville. | J. M. McCabe..... | Fairmount. |
| Reuben Young..... | Potomac. | Ira Babb..... | Long. |
| J. Goonine..... | Higginsville. | Conrad Frederick..... | Muncy. |
| J. T. Amos..... | Danville. | J. L. Marsh..... | Vermilion. |
| Woods & Songer..... | Danville. | David Smith & Sons..... | Vermilion Gr'va. |
| James Butts..... | Hope. | John G. Canaday..... | Georgetown. |

WABASH COUNTY.

| | | | |
|---------------------|-------------|---------------------|-------|
| W. L. Tilton | Mt. Carmel. | W. P. Beeseley..... | Linn. |
|---------------------|-------------|---------------------|-------|

WARREN COUNTY.

| | | | |
|---|-----------|------------------------|---------------|
| Monmouth Sewer Pipe & Drain Tile Man'g Co..... | Monmouth. | Daniel Bird..... | Roseville. |
| Monmouth Manufacturing & Mining Co..... | Monmouth. | Balding & Edwards..... | Ellison. |
| | | Townslay | Alexis. |
| | | Henry C. Mills..... | Henderson Gr. |

WASHINGTON COUNTY.

| | | | |
|-----------------------|------------|--|--|
| Henry Kitebecker..... | Nashville. | | |
|-----------------------|------------|--|--|

WAYNE COUNTY.

| | | | |
|-----------------|------------|--|--|
| John Curry..... | Fairfield. | | |
|-----------------|------------|--|--|

WHITE COUNTY.

| | | | |
|-------------------------|-------------|-----------------------|------------|
| Arthur Wade & Co..... | Carmi. | Welch & Sons..... | Enfield. |
| Rudolph & Williams..... | Crossville. | W. J. Wheatcroft..... | Grayville. |

WILL COUNTY.

| | | | |
|------------------------------|-------------|--------------------------|-------------|
| Ernest Renne | Crete. | Elwood Tile Co. | Elwood. |
| M. D. Kenney | Wilmington. | R. Bellfield | Manassay. |
| Northwestern Tile Co. | Joliet. | Manhattan Tile Co. | Manhattan. |
| Joliet Mound Co. | Joliet. | Plainfield Tile Co. | Plainfield. |
| Joliet Tile & Brick Co. | Joliet. | Conkling & Co. | Braidwood. |
| Bannon Brothers | Joliet. | | |

WOODFORD COUNTY.

| | | | |
|------------------------------|------------|------------------------|-----------|
| Geddesman, Murray & Co. | Eureka. | P. A. Moore | Roanoke. |
| Frank Darst | Eureka. | Peter Kennell | Roanoke. |
| F. A. Cook | Secor. | Andrew Wilts | Metamora. |
| A. C. Cook | Secor. | Herron & Leonard | Metamora. |
| Stephenson & Eveland | Low Point. | Robert McCulloch | Washburn. |
| Benjamin Stinpert | Low Point. | Edward Stevens | Washburn. |
| John McWhinney | Low Point. | E. S. Fursman | El Paso. |
| M. T. Ames | Minonk. | E. Stephens | Linn. |

INDUSTRIAL, SOCIAL AND ECONOMIC CONDITIONS AT PULLMAN, ILLINOIS.

At the annual convention of the chiefs and commissioners of the various bureaus of statistics of labor in the United States, held at St. Louis in June, 1884, it was determined to make a full and exhaustive investigation of the economic experiment conducted by Pullman's Palace Car Co. on the plan projected by Mr. George M. Pullman, the president.

In carrying out this determination the convention met at Pullman, Ill., in September following, and for three days studied all the economic, sanitary, industrial, moral, and social conditions of the city.

Every facility was afforded for the closest scrutiny of every feature and phase of any and all the affairs the members of the convention saw fit to examine. The results of their investigations are embodied in this report, which is presented as a joint report through the various annual reports of the bureaus represented.

We have availed ourselves of material furnished the press by Duane Doty, Esq., a gentleman connected with the educational work of Pullman, and by other writers, but chiefly our report is the result of our own observations of things and conditions as we found them.

Our object in making the investigation was to give to the manufacturers and capitalists of our respective States official information relative to one of the most attractive experiments of the age seeking to harmonize the interests of labor and capital. It is no part of our duty to eulogize individuals; we have endeavored to learn results.

The enterprise of Herr Krupp at Essen; the philanthropy of M. Godin in the establishment of the Familistère at Guise, France; the humanity of Sir Titus Salt, that brought into existence the industrial town of Saltaire, in Yorkshire, England; and the broad Christian inspiration which resulted in the founding of Pullman have given the world, in the four greatest manufacturing countries, four magnificent schemes for the uplifting of a large portion of the people seeking a living through wages.

In all the countries named there have been many other experiments worth a careful study of all interested in social advancement. This is thoroughly true of our own country, and we might call attention with justice to the success at Peace Dale, R. I., at St. Johnsbury, Vt., at Willimantic, and Manchester, Conn., and at other points. But, for comprehensive plan, for careful recognition of all

the strong points, and the fullest anticipations of all weak features, for the beauty of the executed plan, for the financial and social success thereof, Pullman city as the outgrowth of the newest of the great manufacturing nations stands at the head.

HISTORY.

The commissioners had no opportunity to consult Mr. Pullman personally, he being away at the time of our investigation, and we have, therefore, taken such statements of fact, as appear in our report, from documents already before the public.

Pullman's Palace Car Co. was founded in 1867, with a capital of \$1,000,000; its extended operations have been conducted on the strictest business principles, and have, from time to time, necessitated increases in its capital stock, until now its capital represents nearly \$16,000,000, and \$2,000,000 in debenture bonds; its palace cars are operated on upwards of 70,000 miles of railway in America and Europe. Its capital stock has been paid in dollar for dollar, and no watering processes have ever entered into the financial operations of the company. Its dividends have been regular and ample, and its affairs conducted on the same scientific basis that has characterized the construction of the works.

Four or five years ago Mr. Pullman determined to bring the greater portion of the works of the company into one locality. To accomplish this he must leave the great cities for many reasons, and yet it was essential that a site should be selected where communication could be had with the whole country, and near some metropolitan place like Chicago. He wished above all things to remove his workmen from the close quarters of a great city, and give them the healthful benefits of good air, good drainage, and good water, and where they would be free, so far as it would lie in the power of management to keep them free, from the many seductive influences of a great town.

He was fortunate in securing about 4,000 acres of land on the Illinois Central Road, a dozen miles to the south of Chicago. This land was located in the town of Hyde Park, and here he built his city.

THE SITE.

The city is situated upon the west shore of Lake Calumet, which is a shallow body of water three and a half miles long by a mile and a half in width. This lake drains into Lake Michigan through the Calumet river, Lake Michigan being not more than three miles distant. The site of that portion of the city now fully covered with buildings is from eight to fourteen feet above the level of Lake Calumet. The soil is a drift deposit of tough blue clay ninety feet in depth, resting upon lime rock. The land gradually rises to the north and west to an elevation of twenty-five feet above Lake Calumet, this lake being usually from three to five inches higher than Lake Michigan. There is no land of a marshy character in this neighborhood. The bottom of Lake Calumet is of hard blue clay

from which the best cream-colored brick are made. It was deemed unwise to permit any sewage to flow into Lake Calumet, so the system of drainage adopted is what is known as the *separate* one.

On the 25th day of May, 1880, ground was first broken for the building of the Palace Car Works, and the city of Pullman. The land was an open and not over-promising prairie.

The first efforts were directed towards the scientific drainage of the future town. In old cities drainage follows construction, for the average village or city is but the haphazard conglomeration of odds and ends in the way of buildings, whose inartistic forms, defective construction, and inconvenient arrangements are supplemented by such drainage and sewerage systems as can be utilized. It is rare of course in the nature of things that drainage is thought of at the outset. It comes after a lapse of time when the soil has become charged with the accumulated filth of years, and all attempts at sewerage are more or less unsatisfactory.

The city of Pullman, on the other hand, has been built scientifically in every part, and is exceptional in respect to drainage and sewerage if in no other regard. For here the drainage preceded the population, and the soil is now as free from organic contamination as when it formed a portion of the open prairie. Every house has been constructed from approved plans, and under the supervision of competent builders and engineers.

The perfection of the site selected was accomplished through surface drainage, and the construction of deep sewers.

These should be described as a matter of logical order before anything is said of the buildings of the town.

SURFACE DRAINAGE.

The atmospheric water goes from roofs and streets through one system of pipes and sewers directly into Lake Calumet. Brick mains from three to six feet in diameter are built in alternate streets running east and west, the intermediate streets being summits from which the surface water flows into the main sewers. The fall is sufficient to secure good cellars for all the dwellings in the city, the drain pipes leading from cellars being at least eighteen inches below the cellar bottoms. A two-foot cobble-stone gutter borders either side of every street, leading at short intervals of 150 feet into catch-basins, these basins connecting either with the lateral or the main sewers. This system of surface drainage is calculated to carry easily an amount of water that would cover to the depth of one and one-half inches the entire area drained. For the drainage from lots six inch pipe is used, while for block drainage and for laterals pipe varying from nine to eighteen inches in diameter is used. The parks and play grounds are all thoroughly drained. The amount of vitrified pipe already laid in the town is as follows:—

| | |
|----------------------|-------------|
| Of 18 inch pipe..... | 4,500 feet |
| Of 15 inch pipe..... | 6,500 feet |
| Of 12 inch pipe..... | 6,500 feet |
| Of 9 inch pipe..... | 16,000 feet |

There are also several miles of six inch pipe. In addition to the piping of diameters from six to eighteen inches, the necessary quantity of four inch tile has been used to carry water from cellars and down-spouts to the laterals from brick houses for 1,476 families. The lands surrounding the town are well drained by ditches.

DEEP SEWERS.

In every other street running east and west, and lying between the streets having brick mains for surface drainage, there are sewers made with vitrified pipe which lead to a large reservoir under the water tower, entering it at sixteen feet below the surface of the ground. These glazed pipe sewers are from six to eighteen inches in diameter and constitute another and separate system of drains which carries the sewage proper, by gravity, from houses to the reservoir. This reservoir has a capacity of 800,000 gallons, and the sewage is pumped from it as fast as received and before sufficient time elapses for fermentation to take place. The ventilation of this reservoir is perfect. Flues run from it to the top of the tower above it, and a flue leads from it to the large chimney which takes off the smoke from the fires under the boilers of the Corliss engine. The sewage is sent to the model farm through a twenty inch iron main, and, at the farm end of this pipe, it goes into a receiving tank, which contains a screen placed in a vertical position through which substances that are more than half an inch in diameter can not pass. The pressure of the sewage upon the tile piping in the farm seldom, if ever, exceeds ten pounds to the square inch, provision being made at the pumping station and at the farm to relieve the pipes from greater pressure. About 100 gallons of sewage are now pumped daily for each person of the population. This seems a large amount, but when it is remembered that every tenement is provided with the best of closets and sinks, and that the water taps are all inside the houses, it will be seen that a large amount of sewage per capita is unavoidable.

THE MODEL FARM.

About 140 acres of land have been thoroughly underdrained and piped for the reception of sewage with which these acres are irrigated by means of hose. Hydrants are placed at proper intervals so that the distribution can be easily effected. There is nothing offensive about this work, nor can one detect noxious odors at the pumping station or at the farm. All organic matter in the sewage is at once taken up by the soil and the growing vegetation, and the water, making from 100 to 500 parts of the sewage, runs off through the under-drains to ditches, which carry the filtered waters into Lake Calumet. Where the sewage water leaves the drains it is as clear and sparkling as spring water, and laborers often drink it. One acre of land will take care of the sewage made by 100 persons. The population is now only 8,500, but there is land enough already prepared to receive the sewage made by a population of 15,000. The pumps now at the pumping station can handle 5,000,000 gallons a day if necessary, and the main to the farm could carry the sewage

for a population of 50,000. These pumps are now required to handle about a million gallons a day, coming from shops, homes, and public buildings. All waste products at Pullman are carefully utilized, being transformed by vital chemistry into luxuriant vegetable forms.

This farm is now a source of profit, and its products are sold in the markets of the country from Boston to New Orleans.

THE BUILDINGS.

With the scientific drainage and sewage system, in the construction of which nearly one million dollars (\$1,000,000) were expended underneath the ground before anything appeared on its surface, came the erection of the works and the dwellings of the town. It is sufficient to say that the same care exercised in guarding the future health of the place has been bestowed in the erection of works and dwellings.

In the centre stands the water tower which takes a supply of water from Lake Michigan and distributes it through the town. Underneath this immense tower is the reservoir into which flows the sub-sewage of the place as described. Around the tower are located the principal works; to the south and north of the works, chiefly to the south, are the dwellings.

The appearance from the railroad as one approaches from Chicago is effective. The neat station; the water tower and the works in front; the park and artificial lakes intervening; to the right a picturesque hotel backed by pretty dwellings; the arcade containing stores, library, theatre, offices, etc.; still further to the right, and beyond, a church which fits into the landscape with artistic effect.

The laying out of the whole town has been under the guidance of skilled architects aided by civil engineers and landscape gardeners.

The dwellings present a great variety of architecture, yet give harmonious effects. They are not built like the tenement houses of ordinary manufacturing towns where sameness kills beauty and makes the surroundings tame, but a successful effort has been made to give diversity to architectural design.

The streets are wide, well built, and wherever possible parked. The lawns are kept in order by the company; the shade trees are cared for, and all the police work is done under competent supervision.

Every care has been taken to secure convenience inside as well as outside the dwellings. The cheapest tenement is supplied with gas and water and garbage outlets. The housekeeper throws the garbage into a specified receptacle and has no more care of it.

The testimony of every woman we met was that housekeeping was rendered far more easy in Pullman than in any other place. In fact the women were in love with the place: its purity of air, cleanliness of houses and streets, and lessened household burdens, are advantages over their former residences which brought out the heartiest expressions of approval. The women of the comparatively poor bear most of the drudgery of life, enjoy the least of

pleasures, and are most narrowly circumscribed, with little change in cares, scenes, or social surroundings. Pullman has really wrought a greater change for the women than for any other class of its dwellers.

All the works and shops are kept in the neatest possible order. The planing rooms are as free from dust as the street, blowers and exhaust fans taking away all shavings, dust and debris, as fast as it accumulates. One notices everywhere the endeavor to save time and space in the construction of goods. As an illustration of the science which enters into manufacture we need only cite the shops where freight cars are built. All the timber is taken in in lengths at one end and is never turned around until it finds its proper place in a completed freight car, being carried constantly from one process to another in a direct line from its reception at one end to its utilization at the other.

There are 1,520 brick tenements in houses and flats. The frontage of all the buildings extends along five miles of solid paved streets, and there are fourteen miles of railroad track laid for the use of those in the shops and the town. The buildings are of brick or stone.

INDUSTRIES.

The industries carried on and for which the city was built comprise the manufacture of Pullman Palace cars, and all classes of passenger and freight cars.

The Pullman car-wheel works, the Chicago Drop Forge Company's works, the Spanish-American curled hair factory, the Pullman Iron and Steel Company for the manufacture of iron and steel and of railroad spikes, and other works which are collateral to the principal business of the place, are located here.

The Allen paper car-wheel works, and the Union Foundry for making car wheels, car castings and architectural and general castings, have been conveniently located at Pullman.

Among the manufactures of the place should be mentioned that of brick. The Pullman company's yards turned out the past year about twenty millions of brick. The ice industry is also growing in importance. There is also an extensive carpenter shop by means of which the erection of dwellings, public buildings, etc., here and in other places may contribute to the industries of Pullman.

Gradually the manufacture of all the parts necessary to the construction of cars in every condition is being added to the enterprise of the town. A laundry is being established for cleansing the vast quantities of linen used in the palace car service which will give employment to women; it is the policy of the company to encourage the employment of women and young persons.

POPULATION.

The rapid growth of Pullman is exhibited in the following tabular statement of the several enumerations of the population that have been made:

Table of Nine Enumerations.

| DATES OF TAKING THE CENSUS. | Families and Households. | Number of Men..... | Number of Women... | Number of Children.. | Total Population... |
|-----------------------------|--------------------------|--------------------|--------------------|----------------------|---------------------|
| Jan. 1, 1881..... | 1 family | 1 | 2 | 1 | 4 |
| March 1, 1881..... | 8 families..... | 31 | 14 | 12 | 57 |
| June 1, 1881..... | 102 " | 357 | 119 | 178 | 654 |
| Feb. 1, 1882..... | 321 households..... | 1,168 | 445 | 471 | 2,084 |
| March 8, 1883..... | 705 " | 1,956 | 984 | 1,572 | 4,512 |
| Aug. 15, 1883..... | 910 " | 2,878 | 1,089 | 1,906 | 5,833 |
| Nov. 20, 1883..... | 1,048 " | 3,128 | 1,388 | 2,169 | 6,635 |
| Sept. 4, 1884..... | 1,295 " | 3,817 | 1,773 | 2,613 | 8,203 |
| Sept. 30, 1884..... | 1,361 " | 3,945 | 1,845 | 2,723 | 8,513 |

Of the population on September 30, 1884, 4,205 were born in the United States, 527 in the Canadas, 425 in England, 596 in Ireland, 170 in Scotland, 85 in France, 953 in Germany, 297 in Norway, 851 in Sweden, 212 in Denmark, 55 in Italy, 137 in other countries, such as Holland, Greece, and in Asia and Africa.

Omitting fractions, the religious preferences of the population may be expressed as follows:

| | |
|---------------------|------------|
| Presbyterian..... | 8 per cent |
| Congregational..... | 2 " |
| Baptist..... | 4 " |
| Methodist..... | 5 " |
| Lutheran..... | 24 " |
| Episcopalian..... | 11 " |
| Roman Catholic..... | 27 " |
| Dutch Reformed..... | 2 " |
| Universalist..... | 1 " |
| Swedenborgian..... | 1 " |

The remaining 12 per cent. of the population includes those of other beliefs but who expressed no religious preferences.

There are 75 pianos in the city, and the private libraries contain 30,000 volumes, while newspapers and magazines are freely taken at Pullman.

Of the 3,945 men here only about 900 are registered as voters (Oct. 29, 1884), and this is probably three-fourths of the voters residing in this city.

Nearly all the men accounted for on the population statistics are employed in the works of the company. Of course there are a few tradesmen and others. The total number employed in the works is about 4,000, but this includes some who live in surrounding villages or who come down from Chicago.

WAGES, RENTS, AND LIVING EXPENSES.

The wages paid in the works at Pullman are somewhat higher than those paid for like work in other places. They have been adjusted on the hour basis, and from such basis piece wages have been arranged. The attempt to justly equalize and adjust wages has sometimes caused complaint amongst the workmen, and in one instance a strike of small moment. The strike took place among the freight car builders who formerly received \$18 for the construction of a car. Through a readjustment of the forces necessary to the preparation of the material of which the car was built, the price per car was reduced to \$12, four men being able to build a car in 8 hours, the result being the wage of \$3 per man for 8 hours work. Under this arrangement there was no cessation, no breaks in time; in the old arrangement when \$18 per car was paid, the men made long waits for material and did not earn any more, and often not as much, as at the present price per car, and with steady employment. But the first effect of the rearrangement of forces and consequent readjustment of prices was a strike of short duration. With this exception no strikes have occurred at Pullman city, and so far as we could learn there was no complaint regarding wages paid.

In the early days of the city, more men naturally were borne on the rolls than were actually necessary. In bringing the force employed to an economic basis, under which one man should be paid for one man's work, and only one man employed where only one was necessary, discharges or transfers took place, and this caused some complaint, but as the motto of Pullman is, "work for all, and all to work," that sentiment soon found lodgment and complaint ceased.

It costs quite as much to live in Pullman as in any other locality with which it can be reasonably compared. A two room tenement in a second story flat, but having all the conveniences of water and gas, and for sewage and garbage. rents for \$4 per month, and a three room tenement, similarly situated, for \$4.50 per month. Two room flats in small houses, large enough to accommodate five families, rent all the way from \$5 to \$8.50 per month, while two, three and four room tenements in large blocks rent from \$6.50 to \$10 per month. Four room tenements on the first, second, and third floors of three story flats, rent for from \$11 to \$13.50 per month, while four and five room tenements in two story flats may be had for \$14 and \$15 per month. Single five room cottages rent for from \$16 to \$19 per month, while single houses of from 6 to 9 rooms vary from \$22 to \$100 per month.

The average monthly rental per room in the whole city of 1,520 houses, having 6,485 rooms, is \$3.30. In the manufacturing towns of Massachusetts, the average rental per room is \$2.86 per month.

The rentals at Pullman are a little higher for the same number of rooms than in Chicago, but in Chicago the tenement would be in a narrow street or alley, while in Pullman it is on a broad avenue where no garbage is allowed to collect, where all houses have a back street entrance, where the sewage arrives at a farm in three hours' time from its being deposited, and where beauty, order, and cleanliness prevail, and fresh air abounds.

There are no taxes to be paid other than personal, and, when all the advantages which a tenant has at Pullman are taken into consideration as compared with his disadvantages in other places, the rent rates are in reality much lower.

The tenant is under no restrictions beyond those ordinarily contained in a lease, except that he must leave his tenement at ten day's notice, or he can give the same notice and quit. This short limitation has been established in order that no liquor saloons, objectionable houses, or anything likely to disturb the *morals* of the place, can become fastened on the community.

All the houses in Pullman city are owned by the company. This policy has been considered the best in the early years of the city in order that a foundation may be securely laid for a community of good habits and good order.

The men are employed without restriction. There are no conditions laid upon their freedom; they are paid fortnightly, and they expend their wages when and where they see fit, their rent being charged against their wages. This, at first, caused some complaint, but the system is now generally liked, for when wages are paid there is no bother about rent bills, and the wife and the children know that the home is secure. Repairs, if due to the carelessness or negligence of the tenant, are made by the company at the lowest possible expense, and charged against the tenant. Of course, the company, like all landlords, expects to keep the houses in tenantable condition.

There has been some friction in this matter, but as the policy of the company becomes more generally and better understood, the complaint ceases.

SCHOOLS, CHURCHES, AMUSEMENTS, ETC.

The company has erected a very fine school building having fourteen commodious rooms, which now contain about 900 pupils. The schools are under the charge of the school authorities of Hyde Park. They are in a prosperous condition and well accommodate the school population.

There are two or three religious societies and the beautiful church which has been built by the company, while occupied by any sect or by anybody that wishes to hold meetings there, is awaiting the occupancy of some society that chooses to lease it at a fair rental.

In the arcade is to be found a library handsomely fitted and well stocked with books.

The company have also provided a gymnasium, an amphitheatre for games, base ball grounds, and in the arcade is one of the most æsthetic theatres in the country.

All these influences are gradually elevating the society of Pullman city, and their influence is largely felt.

There is but little crime or drunkenness in Pullman, and one policeman, an officer appointed by the authorities of Hyde Park, constitutes the police force for 8,500 people. In two years but 15

arrests have been made; there is no general beer drinking, for there are no liquor saloons in the town. The hotel provides its guests with liquors, but under orderly restrictions.

There is no pauperism; two or three families, where the head had been taken away, or where some accident or misfortune had rendered it necessary, have been aided; but pauperism, as such, does not exist at Pullman.

HEALTH, ACCIDENTS, ETC.

In a paper entitled "Pullman From a State Medicine Point of View," by Oscar C. DeWolf, M. D., commissioner of health, Chicago, read before the American Public Health Association at Detroit, at the session of November, 1883, we find the following significant statements:

"The town has now 7,500 inhabitants, and its average annual population has been 5,000. During the two years of its existence 69 persons died, its death-rate being, therefore, 6.9 per 1,000. The death-rate of the rest of Hyde Park (a village of which Pullman is legally a part, and which includes much rural territory) is 15 per 1,000. The causes of death were,—

| | |
|------------------------------|-------|
| Zymotic diseases..... | 23 |
| Constitutional diseases..... | 3 |
| Local diseases..... | 22 |
| Developmental diseases..... | 3 |
| Violence..... | 17 |
| Unknown..... | 1 |
| | <hr/> |
| | 69 |

The large percentage of deaths by violence is due to the fact that Pullman is the center of numerous railroads, and to the casualties attendant on its manufactures. The deaths under five years of age were thirty. Of these there died from zymotic diseases twelve, of which there died from

| | |
|------------------------------|-------|
| Cholera infantum..... | 6 |
| Diphtheria..... | 3 |
| Scarlatina..... | 2 |
| (Toy pistol) Septicæmia..... | 1 |
| | <hr/> |
| | 12 |

This favorable showing speaks for itself."

Dr. De Wolf's statement had reference to the two earlier years of the existence of Pullman. The last year presents as good a record.

From Nov. 1st, 1883, to Nov. 1st, 1884, there were 53 deaths in Pullman. Hence, there was an average of 7.599 deaths per year for every 1,000 of population. For three years Pullman has had this low death rate. The average for American cities is over three times this number, and the average annual death rate of the world is 32 out of every 1,000 of population. The average death rate in the City of Mexico is 56 per thousand, or eight times the rate in

Pullman. Of these 53 deaths, 2 were of persons over 50 years of age, 2 of persons between 40 and 50, 2 of persons between 30 and 40, 4 of persons between 20 and 30, 4 of persons between 10 and 20, none of persons between 5 and 10. Eleven were of children over 1 and under 5, while 28, or more than one half the deaths, were of children under one year of age. The healthful conditions here are unequaled by those in any city in the world. The lowness of the death rate is remarkable. With one quarter of the physicians that ordinarily administer to a population of this size, Pullman has only a little more than one quarter of the deaths usual in the same number of people.

The company has adopted a very broad and liberal policy relative to compensation for accidents received during or by means of work in the shops. At present it is contemplated to secure the insurance of all the employes of the company against accidents by the men taking out policies in worthy companies, from which insurance, in case of disability, they would receive \$1 per day, Pullman's Palace Car Company guaranteeing to pay an additional \$1 per day. This arrangement is perfectly just and must result in putting the men on the best possible basis as regards compensation for accidents. It is generous on the part of the company employing them because it is not by law liable for damages in case of accident.

MORAL INFLUENCE.

Dr. De Wolf in the report already cited, in speaking of the influence of Pullman city on its inhabitants, says,—

"The change in population from emigration amounts to one per cent *per annum*. These emigrants go forth educated in a way that entitles them to be called sanitary missionaries. There are no special requirements to induce change in the habits of people taking up residence in Pullman, but it is a matter of common observation that insanitary habits—such as making yard cesspools, etc.,—soon vanish under the silent but powerful influence of public opinion as shown in the habits of neighbors. Families with dirty, broken furniture soon find it convenient to obtain furniture more in accord with their surroundings. Men who are accustomed to lounge on their front stoops, smoking pipes, and in dirty shirt-sleeves, soon dress and act more in accordance with the requirements of society. All this is accomplished by the silent educational influence of their surroundings. There are no saloons in the town, and one great element of debasement is thus avoided."

Dr. De Wolf has spoken the truth, and another year's experience at Pullman has intensified the force of all he has said.

When Pullman city was first founded, many families came there who had been in the habit of living in a filthy, shiftless way. They came from tenements that were not neat, and that had no pleasant surroundings. Their presence in the new city was like a rubbish heap in a garden—out of place and unseemly. One may contemplate the feelings of Mr. Pullman on witnessing these evidences of unappreciation of all the beauty he brought into existence, and it would have been natural for him and his coadjutors to have indulged in some fault-finding.

On the other hand, the untidy families were left to themselves. As they walked about the streets of Pullman city and witnessed everywhere orderly ways, well kept lawns, tidy dwellings, clean workshops, and could turn nowhere without meeting order, they naturally began to make comparisons, and such comparisons have resulted in setting their own houses to rights. This is the influence of order and cleanliness everywhere. So the moral influence of Pullman is an ever present lesson to every family that takes up its abode there. This perfect order and the cleanliness which comes of it is often felt as a restraint upon those who have been brought up under disorder and in uncleanness, and sometimes causes a sigh for the looser ways and the consequent looser morals of other communities. Such people do not find the air of Pullman city congenial, and no obstacle is thrown in their way should they desire to leave.

These considerations make it easy to see how the company secures the best mechanics.

GENERAL CONSIDERATIONS.

We have given the history and the facts relating to Pullman city. There is a deeper side which requires a closer study.

The principle on which Pullman city is founded, and on which its success largely depends, is that in all industrial enterprises business should be so conducted and arranged as to be profitable to each of the great forces, labor and capital.

Mr. Pullman does not believe that a great manufacturing concern can meet with the highest economic and moral success where the profit is unduly large to capital, with no corresponding benefit to labor. The mutual benefit which comes from well adjusted forces is to his mind what brings the best success.

On the other hand, he has made no claim to being a philanthropist; the sentiment prevails in his city that true philanthropy is based on business principles and should net a fair return for efforts made.

Promiscuous charity has no place in the establishment of Pullman. Personally, the president of the company makes the favorable conditions, and, having made them, he then concerns himself chiefly in supplying his people with steady employment. The art interests, the moral interests, the social and human interests, with favorable conditions supplied, take most excellent care of themselves. Incidentally his competent staff have an eye to all interests.

Mr. Pullman is no dreamer; he has studied the plans of socialists and reformers and the schemes of philosophers for the benefit of humanity.

Beginning at the bottom rung of the ladder, and therefore familiar with the wants and aspirations of the workers of society, he has risen by the force of his own character and genius to his present position; he does not care to leave the world and look back upon his action and see that he has only offered a glass of water to the sufferer by the wayside, but he wishes to feel that he has

furnished a desert with wells of living water that all may come and drink through all time. So he commenced with the foundation idea of furnishing his workmen with model homes, and supplying them with abundant work with good wages, feeling that simply better conditions would make better men and his city become a permanent benefaction.

He saw great amounts of money being used in speculative schemes, in stock operations, and in all the questionable ways which men take to increase their capital. He saw the energy, the enthusiasm, and the ability which entered into such operations. He could see no reason why all these elements could not be diverted into channels whereby the public should be the gainer and not the loser by great money operations. If capital could be invested in great industrial schemes like Pullman, instead of in stock operations, but in such a way as to net a handsome profit to capital and thereby attract it, then not only would capital be safely, securely, and profitably invested, but it would bring even returns without the feverishness of the other method, and the great benefits which would come to the workingmen, and thus directly to society itself, would be a positive and absolute gain.

Mr. Pullman's plans did not stop with the founding of an industrial city, but they contemplated establishing alongside great mechanical works where all the science of mechanics is practically applied in every day labor, technical schools where the young might learn the theory and see the application of great mechanical powers. There could not be a better location in the whole country for the highest development of mechanical skill. With technical schools successfully established Mr. Pullman saw far enough in the future to contemplate a great university.

The great advantages of the geographical location of Pullman city warranted this vast plan; being the center of the United States commercially, and not far from the centre geographically, he saw no reason why, with scientific works established and with well equipped technical schools, Pullman city should not only teach the nation the way to build up a magnificent class of workmen living under happy and moral conditions, but furnish the country with the most skillful foremen and leading mechanics. To accomplish successfully what Mr. Pullman has undertaken is to carry the world, so far as such men can reach it, to a higher level in civilization.

To do this it was necessary for him to open new avenues for the investment of capital, investments, which as we have said, not only return ample interest in the form of money dividends, but make a grander return in the form of happy homes, and happy hearts. Men must grapple with such enterprises in the belief that the life of the laborer should be something more than a weary round of hard toil; and in the belief that in aiding him to help himself and become a better man, a better brother, a better father, and a better citizen, they are rendering him the best possible service, and in the belief that individual charity, that is merely giving a man something, often does more harm than good.

The general management of Pullman of course partakes of the

sentiment of its founder, a broad, comprehensive humanitarian, as we have said, without restrictions upon labor, but, so far as we could see, always with justice. For instance, discharges are made with a view of being just; if one of two men must be discharged, other things being equal, the single man must leave and allow the married man to remain; or, if one of two men must be discharged, and each has a family, and one resides away from Pullman, and the other at Pullman, the resident is to be preferred.

All such matters give rise to complaints through superficial consideration, but the even handed justice which prevails is shown by an examination of all sides of the question.

After very careful investigation and the study of Pullman city from the standpoint of the manager, and that of the laborer, the mechanic, the physician, the priest, and from all points of view that we could muster, the question naturally arose, as it might arise in all men's minds who examine such institutions, what are the weak points in the plan? Superficially, we could see at once that the workmen had no status as an owner of his home, but we could see that in the early years of Pullman city, if he had such a status it might be the means of his ruin financially. The company owns everything, manages everything; the employés are tenants of the company. This feature will be for some time longer the chief strength of the place, but in this strength lies its weakness. This feature is its strength so long as the industries of Pullman city belong to one great branch, the manufacture of one thing, or the things auxiliary to that manufacture. Now, should the industry of car building collapse or stagnate to any degree, the tenant employé is at liberty to remove at once; he has to give but ten days' notice to vacate his tenancy. He is free to take up his abode where he chooses, without the fear or the fact of any real property going down on his hands. But Mr. Pullman and his company have contemplated this very state of affairs, and are doing all in their power to bring in a diversity of manufactures so that if one kind of goods are not produced another will be. The industrial operations of the place, through Mr. Pullman's exertions, are being extended to the erection of houses, public works and public buildings. The manufacture of brick, the capacity of all the works to turn out finish, and all the wood materials of buildings, and the other features mentioned under "Industries," have given the place a diversity of employment and of industry, which is leading it into strong and permanent industrial conditions. The result of these conditions, should the railroads of the country operate their own palace cars, will preserve the industrial integrity of Pullman city. With these advantages, or, when these advantages come, the tenant employé at Pullman may become the owner of his home. For this purpose a large tract of land has been set aside, and when the time comes will be sold in small lots to the workman, his house built at cost, and he allowed to pay for it on easy terms; then, what would now be a weakness at Pullman will become its strength, and the plan of the city which has been projected on the basis of a population of 100,000 will meet its great success, and these two weak points, the lack of diversified industry and the lack of home ownership, will no longer exist.

To enable this feature of the purchase of homes to be carried out, a savings bank has been established having deposits to the amount of about \$100,000. This money is held subject to immediate call whenever the plans are perfected for the purchase of homes, and will be used in loans to the workingmen. It is invested on call so as to be perfectly available whenever wanted. The deposits are entirely the savings of the workingmen of Pullman, and made during the period in which the bank has existed.

The Pullman establishment must, we think, impress the most casual observer as rare enough to be remarkable, and good enough to be commendable. Even superficially it presents a novelty and attractiveness which in themselves command approbation, but the closer scrutiny which we were permitted to give it developed the fact that its excellence was by no means superficial, that it is not only as good as it looks, but better, and that every promise has been made more than good.

Physically, it is better, for the reason that its underground system is as complete and costly as the improvements upon the surface, so that there is not only a justification for the fair exterior, but a guarantee of its permanence, and of the welfare of the workers and dwellers in the town.

We found the *morale* of the place even better than we expected. Merely external appearances may not clearly indicate social conditions nor the motive and the policy of the management in such an establishment, yet, if the commissioners did not find that the whole plan was conceived and executed in a spirit of broad and unostentatious philanthropy, our observations and conclusions were at fault throughout. We must regard our investigation as having generously confirmed the good impressions of all those who were predisposed in favor of the Pullman enterprise, and it must disarm those who may have felt some degree of prejudice against it.

In order to arrive at any just estimate of the credit due the projectors of the industrial community under investigation, we are in duty bound to recognize the fact that the company merely proposed to manufacture railway cars for profit; no obligation rested upon them to enter into any scheme of general beneficence or to jeopardize their financial interests by a costly experiment in the interests of their employes. For the initial disposition in this latter direction, however, they, and all men like them, deserve praise and encouragement. Having determined that such an experiment might justify itself in a commercial sense as well as on humanitarian grounds, it was still in their option to provide merely comfortable tenements for their men, plain structures for shops, and ordinary facilities for cleanliness and sanitation, and for these even, they would have deserved well, and yet they go much broader and deeper, and decide upon the most perfect methods of drainage, for which their site afforded no facilities, and for a system of gas and water distribution to every house and apartment. They construct permanent streets and an elaborate system of drainage. Not content with plain buildings they exhaust the architect's skill in designing the greatest variety of forms for dwellings suited in size and appearance to all grades of employes; they erect costly and beautiful

buildings for public uses, the church, library, and market house, public halls, theatre, savingsbank, and stores; they furnish a park for field sports, amphitheatre for games, and every facility for recreation, physical and mental; and the place is neatly and attractively ornamented with lawns, shade trees, artificial lakes, fountains and flowers. In brief, they stop at nothing short of a model establishment, constructed upon plans which are the result of the widest experience and the best observation for which modern life affords opportunities.

While all this is done at a considerable outlay of money, which, to the ordinary manufacturer, might seem reckless, and commercially at least unjustifiable, the conviction grew upon us, as the details of this magnificent work became understood, that although no such motive has ever been proclaimed, there was really a noble and broad inspiration in the original conception of the undertaking beyond that of merely making the greatest possible amount of money, beyond that of mere personal glorification; an inspiration looking to an actual elevation of the standard of life among the working people who might be fortunate enough to be identified with it. Nothing could be more laudable from our point of view than this, and the Pullman company deserve well of their employes and of all men, not only for what they have accomplished for themselves and their own, but for the conspicuous example they have given the world of the nobler uses of great wealth. It is our view of the case, moreover, that even if they had attempted and accomplished much less, or even had made great mistakes, they would still deserve commendation for their manifest disposition to recognize the welfare of their employes as of the first concern to themselves. To the growth of such a sentiment among employers, and the practice of it in whatever degree circumstances may permit in smaller establishments, must we look for the real alleviation of the burdens which labor imposes upon those who live by it.

As to the question of earnings in the various grades of employment, and the cost of living within as compared with that outside the community, we are not, as we have already indicated, disposed to insist that the one be greater, and the other less, then elsewhere in order to demonstrate the advantages of the place. We should rather say that were there to be an actual money balance, or not, at the end of the year in favor of the average workman at Pullman, there must be a balance in his favor in all those things which go to make up comfortable and healthful living, in opportunities for the education of children, and their protection from dangerous influences; in the incentives to self-respect and self-culture, and in all the social, moral, and sanitary influences which surround the life of every one at Pullman.

If the workman at Pullman lives in a "gilded cage," we must congratulate him on its being so handsomely gilded; the average workman does not have his cage gilded. That there is any cage or imprisonment about it is not true, save in the sense that all men are circumscribed by the conditions with which they surround themselves, and imprisoned by the daily duties of life.

It is quite possible that the Pullman community has been organized and developed thus far on a plan as comprehensive as commercial prudence permits, but when the experiment as now fairly outlined shall have become an established success, it would be gratifying to see certain additional features considered, and if feasible introduced for practical test.

To make Pullman the ideal establishment of the theorists, in addition to the option of purchasing homes and the strength which must come from diversified industry, one would naturally expect that when the enterprise shall have survived adversity as well as prosperity, and the wise and beneficent policy now being tested shall have borne its fruit in a permanent community of intelligent and prosperous workmen, it may then be found possible to advance them to a share of the profits of the business itself. However this may be, we think we are justified in the belief that, as long as the present management, or the spirit of that management exists, the beneficent features of this most progressive industrial establishment will be extended as rapidly as circumstances may ripen for them.

Let the model manufactory and the industrial community of Pullman city be commended as they deserve for whatever they are or what they promise to be. Let them be held up to the manufacturers and employers of men throughout the country as worthy of their emulation. Let Mr. Pullman and his coadjutors be assured of the good wishes of all those who seek the advancement of their kind.

CARROLL D. WRIGHT,

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JOEL B. McCAMANT,

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HENRY LUSKEY,

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